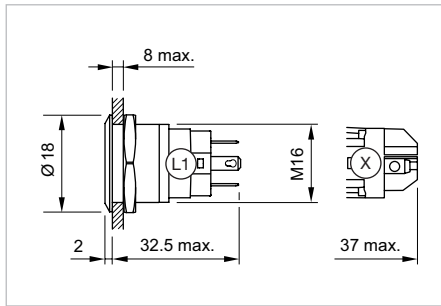


82 Flush design

Indicator Ø 16 mm, Silver contact, IP 65 & IP 67

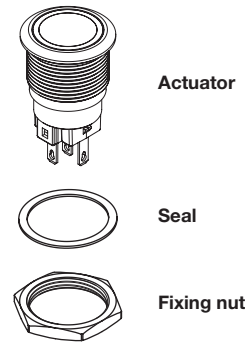


Product can differ from the current configuration.



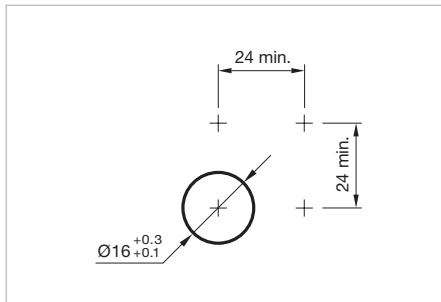
Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal

Equipment consisting of (schematic overview)




Additional Information

- The laser 2D-technology can mark all stainless steel versions with flush versions – flush-mounting as well as raised versions.



Mounting cut-outs [mm]

Each Part Number listed below includes all the black components shown in the 3D-drawing.

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
|  <p>Indicator 16 mm Stainless-steel, Front dimension Ø 18 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0146 | 1 | 1 | 0.018 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0156 | 1 | 1 | 0.018 kg |


Indicator 16 mm Stainless-steel, Front dimension Ø 18 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4151.0256 | 1 | 1 | 0.021 kg |


Indicator 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0136 | 1 | 1 | 0.018 kg |

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| illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|----------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0156 | 1 | 1 | 0.018 kg |



Indicator 16 mm Stainless-steel chrome-colour, Front dimension Ø 18 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4251.0256 | 1 | 1 | 0.021 kg |



Indicator 16 mm Messing, Front dimension Ø 18 mm

| | | | | | | | | | |
|--------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0126 | 1 | 1 | 0.018 kg |



| illumination | Operating voltage | Operating current | Front ring shape | lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|----------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0156 | 1 | 1 | 0.018 kg |



Indicator 16 mm Messing, Front dimension Ø 18 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4351.0256 | 1 | 1 | 0.021 kg |

82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
|  <p>Indicator 16 mm Aluminium, Front dimension Ø 18 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0156 | 1 | 1 | 0.018 kg |
|  <p>Indicator 16 mm Aluminium, Front dimension Ø 18 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0246 | 1 | 1 | 0.021 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0252 | 1 | 1 | 0.021 kg |
| Dot with white LED | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0253 | 1 | 1 | 0.021 kg |
| Dot with white LED | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0254 | 1 | 1 | 0.021 kg |
| Dot with white LED | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0255 | 1 | 1 | 0.021 kg |
| Dot with white LED | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-4551.0256 | 1 | 1 | 0.021 kg |


Indicator 16 mm Stainless-steel, Front dimension Ø 18 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0156 | 4 | 1 | 0.018 kg |


Indicator 16 mm Stainless-steel, Front dimension Ø 18 mm

| | | | | | | | | | |
|--------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0236 | 4 | 1 | 0.021 kg |

82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4152.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4152.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4152.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4152.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4152.0256 | 4 | 1 | 0.021 kg |



Indicator 16 mm Stainless-steel chrome-colour, Front dimension Ø 18 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0156 | 4 | 1 | 0.018 kg |



Indicator 16 mm Stainless-steel chrome colour, Front dimension Ø 18 mm

| | | | | | | | | | |
|-------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0226 | 4 | 1 | 0.021 kg |



| illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4252.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4252.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4252.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4252.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4252.0256 | 4 | 1 | 0.021 kg |




Indicator 16 mm Messing, Front dimension Ø 18 mm

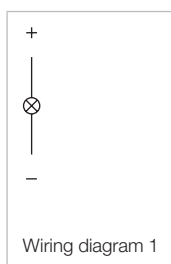
| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0156 | 4 | 1 | 0.018 kg |

82 Flush design

| Illustration | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
|  <p>Indicator 16 mm Messing, Front dimension Ø 18 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4352.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4352.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4352.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4352.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4352.0256 | 4 | 1 | 0.021 kg |
|  <p>Indicator 16 mm Aluminium, Front dimension Ø 18 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0146 | 4 | 1 | 0.018 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0156 | 4 | 1 | 0.018 kg |
|  <p>Indicator 16 mm Aluminium, Front dimension Ø 18 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-4552.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-4552.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-4552.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-4552.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-4552.0256 | 4 | 1 | 0.021 kg |

The component layouts you will find from page 181

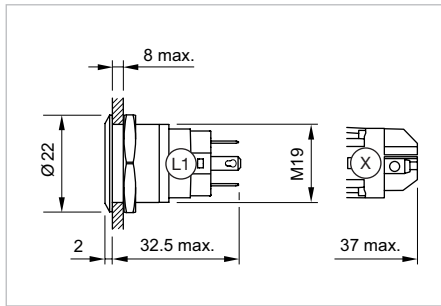


82 Flush design

Indicator 19 mm, Silver contact, IP 65 & IP 67

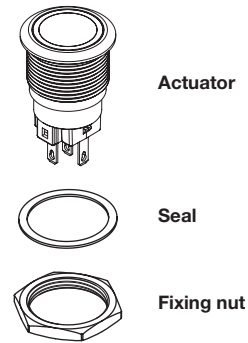


Product can differ from the current configuration.



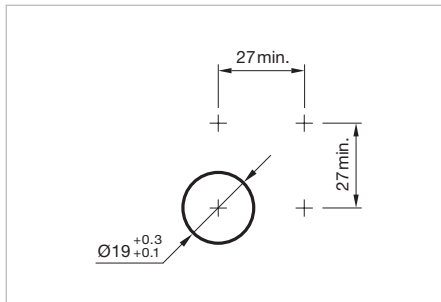
Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal

Equipment consisting of (schematic overview)




Additional Information

- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.



Mounting cut-outs [mm]

Each Part Number listed below includes all the black pcomponents shown in the 3D-drawing.

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
|  <p>Indicator 19 mm Stainless-steel, Front dimension Ø 22 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0146 | 1 | 1 | 0.018 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0156 | 1 | 1 | 0.018 kg |



Indicator 19 mm Stainless-steel, Front dimension Ø 22 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5151.0256 | 1 | 1 | 0.021 kg |



Indicator 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0136 | 1 | 1 | 0.018 kg |

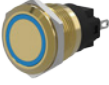
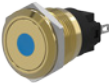
82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|----------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0156 | 1 | 1 | 0.018 kg |



Indicator 19 mm Stainless-steel chrome-colour, Front dimension Ø 22 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5251.0256 | 1 | 1 | 0.021 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
|  <p>Indicator 19 mm Messing, Front dimension Ø 22 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0156 | 1 | 1 | 0.018 kg |
|  <p>Indicator 19 mm Messing, Front dimension Ø 22 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0246 | 1 | 1 | 0.021 kg |

82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5351.0256 | 1 | 1 | 0.021 kg |



Indicator 19 mm Aluminium, Front dimension Ø 22 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0156 | 1 | 1 | 0.018 kg |



Indicator 19 mm Aluminium, Front dimension Ø 22 mm

| | | | | | | | | | |
|--------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0236 | 1 | 1 | 0.021 kg |

| illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-5551.0256 | 1 | 1 | 0.021 kg |



Indicator 19 mm Stainless-steel, Front dimension Ø 22 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0156 | 4 | 1 | 0.018 kg |



Indicator 19 mm Stainless-steel, Front dimension Ø 22 mm

| | | | | | | | | | |
|-------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0226 | 4 | 1 | 0.021 kg |



82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5152.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5152.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5152.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5152.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5152.0256 | 4 | 1 | 0.021 kg |



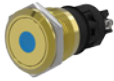
Indicator 19 mm Stainless-steel chrome-colour, Front dimension Ø 22 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0156 | 4 | 1 | 0.018 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
|  <p>Indicator 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5252.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5252.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5252.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5252.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5252.0256 | 4 | 1 | 0.021 kg |
|  <p>Indicator 19 mm Messing, Front dimension Ø 22 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0146 | 4 | 1 | 0.018 kg |

82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0156 | 4 | 1 | 0.018 kg |



Indicator 19 mm Messing, Front dimension Ø 22 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5352.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5352.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5352.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5352.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5352.0256 | 4 | 1 | 0.021 kg |



Indicator 19 mm Aluminium, Front dimension Ø 22 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0136 | 4 | 1 | 0.018 kg |

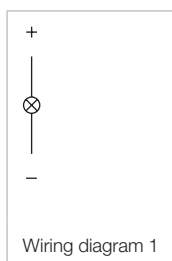
| illumination | Operating voltage | Operating current | Front ring shape | lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|----------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0156 | 4 | 1 | 0.018 kg |



Indicator 19 mm Aluminium, Front dimension Ø 22 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-5552.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-5552.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-5552.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-5552.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-5552.0256 | 4 | 1 | 0.021 kg |

The component layouts you will find from page 181

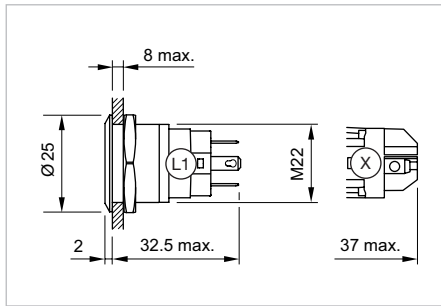


82 Flush design

Indicator 22 mm, Silver contact, IP 65 & IP 67

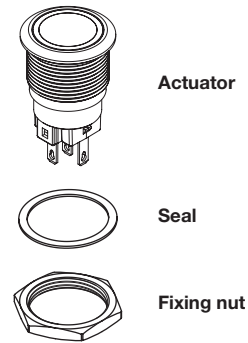


Product can differ from the current configuration.



Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal

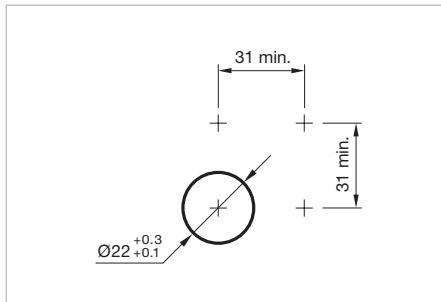
Equipment consisting of (schematic overview)




Each Part Number listed below includes all the black pcomponents shown in the 3D-drawing.

Additional Information

- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.



Mounting cut-outs [mm]

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
|  <p>Indicator 22 mm Stainless-steel, Front dimension Ø 25 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0146 | 1 | 1 | 0.018 kg |

| illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0156 | 1 | 1 | 0.018 kg |


Indicator 22 mm Stainless-steel, Front dimension Ø 25 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6151.0256 | 1 | 1 | 0.021 kg |


Indicator 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0136 | 1 | 1 | 0.018 kg |



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| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|----------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0156 | 1 | 1 | 0.018 kg |



Indicator 22 mm Stainless-steel chrome-colour, Front dimension Ø 25 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6251.0256 | 1 | 1 | 0.021 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
|  <p>Indicator 22 mm Messing, Front dimension Ø 25 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0156 | 1 | 1 | 0.018 kg |
|  <p>Indicator 22 mm Messing, Front dimension Ø 25 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0236 | 1 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0246 | 1 | 1 | 0.021 kg |

82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6351.0256 | 1 | 1 | 0.021 kg |



Indicator 22 mm Aluminium, Front dimension Ø 25 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0112 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0113 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0114 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0115 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0116 | 1 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0122 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0123 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0124 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0125 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0126 | 1 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0132 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0133 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0134 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0135 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0136 | 1 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0142 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0143 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0144 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0145 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0146 | 1 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0152 | 1 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0153 | 1 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0154 | 1 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0155 | 1 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0156 | 1 | 1 | 0.018 kg |



Indicator 22 mm Aluminium, Front dimension Ø 25 mm

| | | | | | | | | | |
|--------------------|-----------|--------|-------|------------------------------|---------------------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0212 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0213 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0214 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0215 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0216 | 1 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0222 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0223 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0224 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0225 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0226 | 1 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0232 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0233 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0234 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0235 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0236 | 1 | 1 | 0.021 kg |

| illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|---------------------|---------------------|------------------|----------------|----------|
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0242 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0243 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0244 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0245 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0246 | 1 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0252 | 1 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0253 | 1 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0254 | 1 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0255 | 1 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Solder 2.8 x 0.5 mm | 82-6551.0256 | 1 | 1 | 0.021 kg |



Indicator 22 mm Stainless-steel, Front dimension Ø 25 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0156 | 4 | 1 | 0.018 kg |



Indicator 22 mm Stainless-steel, Front dimension Ø 25 mm

| | | | | | | | | | |
|-------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0226 | 4 | 1 | 0.021 kg |



82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6152.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6152.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6152.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6152.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6152.0256 | 4 | 1 | 0.021 kg |



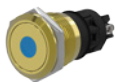
Indicator 22 mm Stainless-steel chrome-colour, Front dimension Ø 25 mm

| | | | | | | | | | |
|----------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0156 | 4 | 1 | 0.018 kg |

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|--|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
|  <p>Indicator 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm</p> | | | | | | | | | |
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6252.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6252.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6252.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6252.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6252.0256 | 4 | 1 | 0.021 kg |
|  <p>Indicator 22 mm Messing, Front dimension Ø 25 mm</p> | | | | | | | | | |
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0136 | 4 | 1 | 0.018 kg |
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0146 | 4 | 1 | 0.018 kg |

82 Flush design

| Illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|---------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0156 | 4 | 1 | 0.018 kg |



Indicator 22 mm Messing, Front dimension Ø 25 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6352.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6352.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6352.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6352.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6352.0256 | 4 | 1 | 0.021 kg |



Indicator 22 mm Aluminium, Front dimension Ø 25 mm

| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Ring with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0112 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0113 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0114 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0115 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0116 | 4 | 1 | 0.018 kg |
| Ring with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0122 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0123 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0124 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0125 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0126 | 4 | 1 | 0.018 kg |
| Ring with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0132 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0133 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0134 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0135 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0136 | 4 | 1 | 0.018 kg |

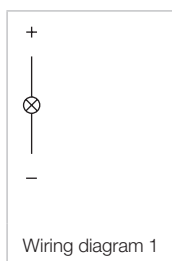
| illumination | Operating voltage | Operating current | Front ring shape | Lens | Terminal | Part No. | Component layout | Wiring diagram | Weight |
|----------------------|-------------------|-------------------|------------------|------------------------------|----------|---------------------|------------------|----------------|----------|
| Ring with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0142 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0143 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0144 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0145 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0146 | 4 | 1 | 0.018 kg |
| Ring with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0152 | 4 | 1 | 0.018 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0153 | 4 | 1 | 0.018 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0154 | 4 | 1 | 0.018 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0155 | 4 | 1 | 0.018 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0156 | 4 | 1 | 0.018 kg |



Indicator 22 mm Aluminium, Front dimension Ø 25 mm


| | | | | | | | | | |
|---------------------|-----------|--------|-------|------------------------------|-------|---------------------|---|---|----------|
| Dot with red LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0212 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0213 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0214 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0215 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0216 | 4 | 1 | 0.021 kg |
| Dot with blue LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0222 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0223 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0224 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0225 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0226 | 4 | 1 | 0.021 kg |
| Dot with green LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0232 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0233 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0234 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0235 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0236 | 4 | 1 | 0.021 kg |
| Dot with yellow LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0242 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0243 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0244 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0245 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0246 | 4 | 1 | 0.021 kg |
| Dot with white LED | 6 VAC/DC | 15 mA | flush | flat / level with front ring | Screw | 82-6552.0252 | 4 | 1 | 0.021 kg |
| | 12 VAC/DC | 14 mA | flush | flat / level with front ring | Screw | 82-6552.0253 | 4 | 1 | 0.021 kg |
| | 24 VAC/DC | 10 mA | flush | flat / level with front ring | Screw | 82-6552.0254 | 4 | 1 | 0.021 kg |
| | 110 VAC | 2 mA | flush | flat / level with front ring | Screw | 82-6552.0255 | 4 | 1 | 0.021 kg |
| | 230 VAC | 1.3 mA | flush | flat / level with front ring | Screw | 82-6552.0256 | 4 | 1 | 0.021 kg |

The component layouts you will find from page 181





Mounting

Fixing nut

| Dimension | Material | Part No. | Weight |
|---|----------|---------------|----------|
|  Fixing nut | | | |
| Ø 16 mm | Metal | 31-991 | 0.020 kg |
| Ø 19 mm | Metal | 82-902 | 0.022 kg |
| Ø 22 mm | Metal | 82-903 | 0.025 kg |

Mounting tool

| Product attribute | Part No. | Weight |
|--|---------------|----------|
|  Mounting tool | | |
| for tightening or loosening the fixing nut Ø 16 mm | 01-907 | 0.020 kg |
| for tightening or loosening the fixing nut Ø 19 mm | 82-905 | 0.022 kg |
|  Mounting tool | | |
| for tightening or loosening the fixing nut Ø 22 mm | 84-997 | 0.027 kg |

Indicator, Pushbutton, Illuminated pushbutton

Switching system

Snap-action changeover contact normally closed / normally open.
Switching function momentary or maintain.

Material

Housing

Stainless-steel
Stainless-steel chrome-coloured
Brass gold-coloured
Aluminium natural anodized

Terminal housing

Polyamide 66 (PA66)

Contact material

Silver alloy

Mechanical characteristics

Mounting cut-out

Ø 16 mm +0.3/+0.1 mm
Ø 19 mm +0.3/+0.1 mm
Ø 22 mm +0.3/+0.1 mm

Terminals

Soldering/plug-in terminals 2.8 x 0.5 mm
Screw terminal

Tightening torque

5 Nm min. – 12 Nm max. for fixing nut

Actuating force

4 ... 7 N

Actuating travel

3 mm

Mechanical lifetime

Pushbutton momentary 1 Mio. cycles of operation
Pushbutton maintain 500 000 cycles of operation

Resistance to heat of soldering

Hand-soldering max. 260 °C, 3 sek.

Electrical characteristics

Rated Operational Voltage U_o

250 VAC

Rated Insulation Voltage U_i

250 V

Illumination

LED red, green, blue, yellow and white

LED and series resistor with polarity protection are built in.

| LED-Voltage | Tolerance | Current | Consumption |
|-------------|-----------|---------|-------------|
| 6 VAC/DC | ±10% | 15 mA | 0.1 W |
| 12 VAC/DC | ±10% | 14 mA | 0.17 W |
| 24 VAC/DC | ±10% | 10 mA | 0.24 W |
| 110 VAC | ±10% | 2 mA | 0.22 W |
| 230 VAC | ±10% | 1.3 mA | 0.29 W |

Contact resistance

<50 mΩ

Electrical life

50 000 cycles of operation (full load)

Switch rating IEC 60947-5-1 (Silver contacts)

Switch rating AC cosφ 0.3 service categorie AC-15

| Voltage | Current |
|---------|---------|
| 24 VAC | 1 A |
| 110 VAC | 1 A |
| 220 VAC | 0.5 A |

Switch rating DC service categorie DC-13 (Silver contacts)

| Voltage | Current |
|---------|---------|
| 24 VDC | 0.7 A |
| 110 VDC | 0.2 A |
| 220 VDC | 0.1 A |

Switch rating UL 508 (Silver contacts)

Switch rating AC cosφ 0.75 ... 0.8)

| Voltage | Current |
|---------|---------|
| 120 VAC | 5 A |
| 240 VAC | 3 A |

Switch rating DC

| Voltage | Current |
|---------|---------|
| 24 VDC | 1 A |

Recommended minimum operational data

according to DIN EN 60947-5-4

| | Silver contacts | Silver contacts gold-plated |
|---------|-----------------|-----------------------------|
| Voltage | 17 VAC/DC | 1 VAC/DC |
| Current | 50 mA | 5 mA |

Conventional free air thermal current I_{th}

5 A

The maximum current in continuous operation and at ambient temperature must not exceed the quoted maximum values.

Electrical strength

1500 VAC, 50 Hz 1 min. between life terminals and ground

Isolation resistance

500 VDC at min. 10 MΩ according to IEC 60512-2

Environmental conditions

Storage temperature

-40 °C ... +80 °C

Operating temperature

-30 °C ... +70 °C

Front protection

IP 65 and IP 67, as per IEC 60529

Impact resistance

IK 10, as per IEC 62262

Shock resistance

max. 500 m/s² according to IEC 60068-2-27

Degree of pollution

2, as per EN IEC 60947-1

Vibration resistance

10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

Climate resistance

Damp heat, 21 days according to IEC 60512-11

Stainless steel and aluminium versions:

Saline mist, 96 hours according to IEC 60512-11

Brass versions:

Saline mist, 24 hours according to IEC 60512-11

Approvals

Approbations

CB

UL

C UL

CCC

Declaration of conformity

CE

EAO reserves the right to alter specifications without further notice.