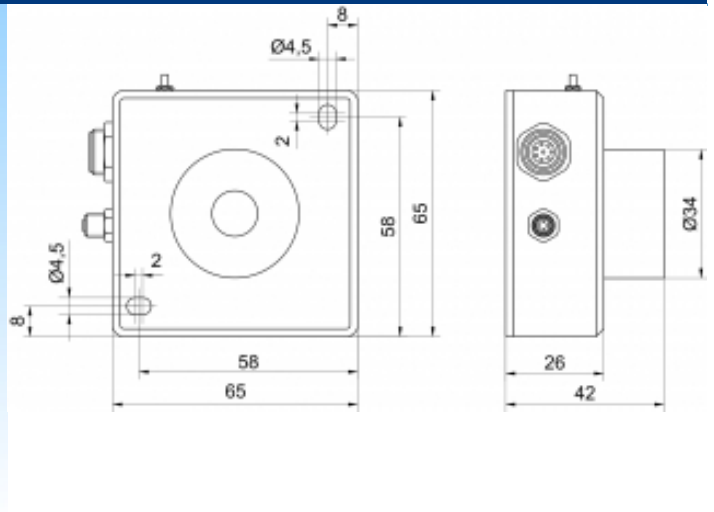
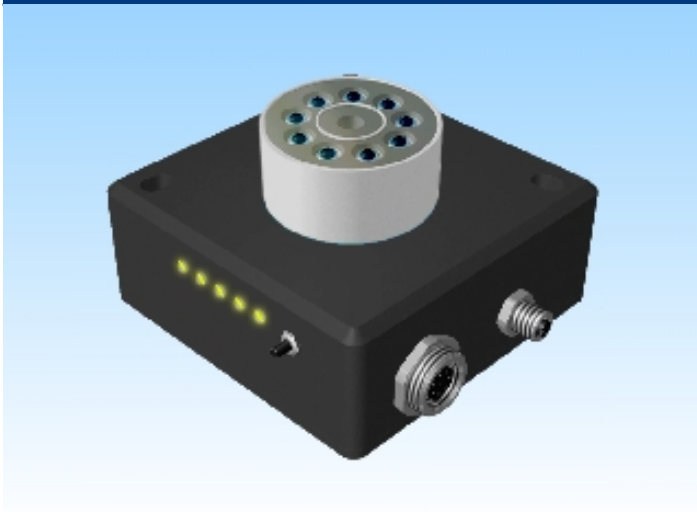


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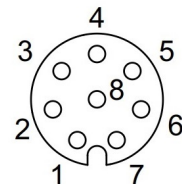
**Product Description**

**color sensor**



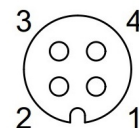
|              |                                                                                                        |
|--------------|--------------------------------------------------------------------------------------------------------|
| Name         | SPECTRO-3-30-UV-CL                                                                                     |
| Order number | 08386289643                                                                                            |
| Switch type  |  digital             |
| Signal Type  | PNP/NPN                                                                                                |
| Illuminant   |  Ultraviolet 375 nm |
| Connection   |  Socket             |
| Polschema    |                                                                                                        |

SPS  
Binder 712, 8 pol.



1 wh GND (0V)  
2 bn +24V DC (±10%)  
3 gn IN 0  
4 ye OUT 0  
5 gy OUT 1  
6 pk OUT 2  
7 bu OUT 3  
8 rd OUT 4

PC  
Binder 707, 4 pol.



1 +24V DC  
2 GND (0V)  
3 RxD  
4 TxD

Dimension (in mm)

Q 65 x 26 (+16) x 65

## Technical Specification

|                             |                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Special features            | 3-color filter detector (TRUE COLOR detector, "human color perception"), Color and gray scale detection                                   |
| Operating voltage           | 22,60 - 26,40 V DC                                                                                                                        |
| Max. load current           | 100 mA                                                                                                                                    |
| No load current             | 220 mA                                                                                                                                    |
| Switching frequency         | 40 kHz                                                                                                                                    |
| Temperature drift           | < 0,01 %/ °C                                                                                                                              |
| Repeat accuracy             | +/- 1 Digit in the X, Y color range at 12-bit A/D conversion                                                                              |
| Switching state             | LED                                                                                                                                       |
| Digital output              | OUT 0 ... OUT 4, digital (0V/+Ub), 100 mA max. switching current npn, pnp-output available (bright-, dark-switching can be switched over) |
| Natural extraneous light    | 5000 Lux in AC-mode                                                                                                                       |
| Artificial extraneous light | 5000 Lux in AC-mode                                                                                                                       |
| Material of light outlet    | Glas                                                                                                                                      |
| Impulse delay               | einstellbar/ adjustable 0 ms ... 100 ms                                                                                                   |
| Amplifying adjustable       | 8 fach/ 8-fold                                                                                                                            |
| Tolerance limit adjustable  | ja                                                                                                                                        |
| Working range               | from 15 to 80 mm                                                                                                                          |
| Short-circuit proof         | yes                                                                                                                                       |
| Overload protection         | yes                                                                                                                                       |
| Reverse voltage protection  | yes                                                                                                                                       |
| Protection category         | IP64 (Optik IP67)                                                                                                                         |
| EMC-level                   | DIN EN 60947-5-2                                                                                                                          |
| Housing material            | Aluminum                                                                                                                                  |
| Termination                 | connection to PLC: 8-pole fem. connector (Binder Series 712), connection to PC: 4-pole fem. connector (Binder Series 707)                 |

**Errors and omissions exceptet**