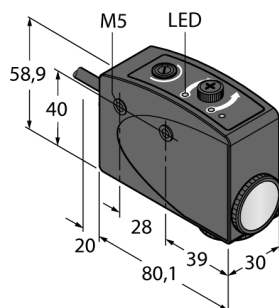


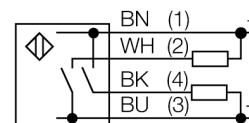
Photoelectric Sensor Color Mark Sensor With Switching Output R58ACG1D



- Cable, PVC, 2 m, 4-wire
- Protection class IP67
- Threshold adjusted via 15-turn potentiometer
- Light/dark operate adjusted via rotary switch
- Emits green light for detection
- Parallel scan field relative to the housing axis
- Optics rotatable by 90°
- Operating voltage: 10...30 VDC
- PNP/NPN switching output
- Switching behavior adjustable (NO/NC)
- Switch-off delay 20 ms

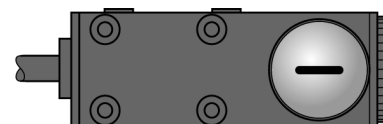
Type	R58ACG1D
ID	3010233

Wiring Diagram



Functional principle

The color mark sensor differentiates between all conventional color contrasts occurring in product and material registration. For this purpose it uses green light. The very short response time of 50 µs is ideally suited for high speed applications. The sensor's switchpoint is adjusted in 15 steps via potentiometer. Via rotary switch, the sensor can also be taught to differentiate between ON and OFF state.



Optical data	
Function	Inspection sensor
Operating mode	Contrast sensor
Light type	Green
Focal distance	10 mm

Electrical data	
Operating voltage U_s	10...30 VDC
Residual ripple	< 10 % U_s
DC rated operating current I_s	≤ 100 mA
No-load current I_0	≤ 75 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO contact, PNP/NPN
Switching frequency	10 kHz
Readiness delay	≤ 100 ms
Setting option	Potentiometer

Mechanical data	
Design	Rectangular, R58
Housing material	Metal, Zinc Alloy Die-Cast, Black-finished
Lens	plastic, Acrylic
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Core cross-section	0.34 mm ²
Ambient temperature	-10...+50 °C
Relative humidity	0...90%
Protection class	IP67

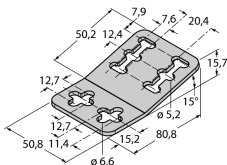
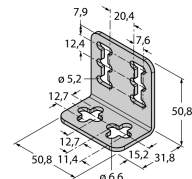
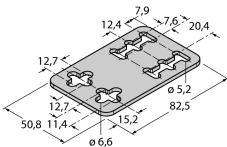
Special features	
Power-on indication	LED, Green
Switching state	LED, Yellow
Excess gain indication	LED

Tests/approvals

Approvals

CE

Accessories

Type code	Ident no.		Dimension drawing
SMB55A	3053259	Mounting bracket, stainless steel, for R58A/R58E and QL56/QL51	
SMB55RA	3053261	Mounting bracket, rectangular, stainless steel, for R58A/R58E and QL56/QL51	
SMB55F	3053260	Mounting panel, stainless steel, for R58A/R58E and QL56/QL51	
SMB55S	3053265	Mounting bracket, stainless steel, for R58A/R58E and QL56/QL51	