

Technical data

General specifications

Effective detection range	0 ... 250 mm
Light source	IRET
Approvals	CE
Tests	EN 60947-5-2
Marking	CE
Light receiver	photo transistor
Light type	Infrared, continuous light
Angle of divergence	2.5 °

Indicators/operating means

Function display	LED, lights up with receiver lit
------------------	----------------------------------

Electrical specifications

Operating voltage	U_B	24 V DC
Ripple		10 %
No-load supply current	I_0	≤ 80 mA

Output

Switching type	dark ON	
Signal output	1 pnp, short-circuit proof, open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 30 mA	
Switching frequency	f	3.5 kHz
Response time		150 μs
De-energized delay	t_{off}	50 μs

Standard conformity

Standards	EN 60947-5-2
-----------	--------------

Ambient conditions

Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

Mechanical specifications

Protection degree	Signal transformer: IP50 emitter and receiver: Dust proof
Connection	Flange connector series 712, 5-pin, without coupling socket and cable
Material	
Housing	emitter and receiver: diecast zinc black Signal transformer: plastic, black
Optical face	glass
Mass	140 g

Curves/Diagrams

