

Operating and display elements

Occupancy diagram

L1

Item	Color	Extras	Note slide-in label	Version	Slide-in label	Switching element	Number	Designation1	LED
1				Illuminated pushbutton		1NO			

Electrical connection values

Rated insulation voltage U_i 30 V

Rated impulse withstand voltage U_{imp} 1.5 kV

Discrepancy time

between FO1A and FO1B max. 10 ms

Utilization category

DC-13 24 V 200 mA

(Caution: outputs must be protected with a free-wheeling diode in case of inductive loads.)

Risk time according to EN 60947-5-3 max. 350 ms

Risk time according to EN 60947-5-3, extension for each additional device max. 5 ms

Safety class III

Transponder coding Unicode

Degree of contamination (external, according to EN 60947-1) 3

Solenoid control input IMP1, IMP2, IMM

Test pulse duration max. 5 ms

Test pulse interval min. 100 ms

Controls and indicators

Breaking capacity max. 0.25 W

Switching voltage U_A V

Switching current 1 ... 10 mA

LED power supply 24 V DC

Monitoring outputs OD, OT, OL, OI

Output type Semiconductor outputs, p-switching, short circuit-proof

Output voltage UA–2V ... UA V DC
(Value at a switching current of 50mA without taking into account the cable lengths)

Output current max. 50 mA

Safety outputs FO1A, FO1B

Output type Semiconductor outputs, p-switching, short circuit-proof

Output voltage

U_{FO1A} / U_{FO1B} LOW 0 ... 1 V DC

U_{FO1A} / U_{FO1B} HIGH UB–2V ... UB V DC

(Value at a switching current of 50mA without taking into account the cable lengths)

Output current

per safety output FO1A / FO1B 1 ... 200 mA

Test pulse duration max. 1 ms

Test pulse interval min. 100 ms

Power supply U_A

Operating voltage DC

U_A 24 V DC –15% ... +10%
(reverse polarity protected, regulated, residual ripple<5%, PELV))

Current consumption

I_{UA} max. 375 mA
(with energized guard locking solenoid and unloaded outputs OD, OT, OL, OI, +20 °C, 24V))

Power supply U_B

Operating voltage DC

U_B 24 V DC –15% ... +10%
(reverse polarity protected, regulated, residual ripple<5%, PELV))

Current consumption

I_{UB} max. 80 mA
(no load on outputs))

Mechanical values and environment

Connection type Plug connector RC18
(x6)

Installation orientation	Door hinge DIN left	
Switching frequency	0.25 Hz	
Mechanical life	1 x 10 ⁶	
in case of use as door stop, and 1 Joule impact energy	0.1 x 10 ⁶	
Degree of protection	IP65	
Ambient temperature	with U _B = 24 V DC -20 ... +55 °C	
Material	Housing	Fiber glass reinforced plastic; nickel-plated die-cast zinc; stainless steel
Locking force F _{Zh}	2000 N	
Guard locking principle	Open-circuit current principle	
Miscellaneous		
Product version number	V4.0.0	
Additional feature	incl. lens set, ID no. 120344	