

Miscellaneous

Product version number	V3.0.0
Additional feature	with mounting plate and automatic lockout mechanism

Operating and display elements

Occupancy diagram	L0
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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
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Risk time according to EN 60947-5-3, extension for each additional device	max. 5 ms
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Safety class	III
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Transponder coding	Unicode
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Degree of contamination (external, according to EN 60947-1)	3
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Solenoid control input IMP1, IMP2, IMM

Test pulse duration	max. 5 ms
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Test pulse interval	min. 100 ms
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Monitoring outputs OD, OT, OL, OI

Output type	Semiconductor outputs, p-switching, short circuit-proof
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Output voltage	UA-2V ... UA V DC (Value at a switching current of 50mA without taking into account the cable lengths)
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Output current	max. 50 mA
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Safety outputs FO1A, FO1B

Output type	Semiconductor outputs, p-switching, short circuit-proof
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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
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Test pulse interval	min. 100 ms
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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)
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Installation orientation	Door hinge DIN right
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Switching frequency	0.25 Hz
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Mechanical life	
in case of use as door stop, and 1 Joule impact energy	0.1 x 10 ⁶ 1 x 10 ⁶

Degree of protection	IP65
Ambient temperature	
with $U_B = 24 \text{ V DC}$	-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

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Product version number	V4.0.0
Additional feature	Mounting plate