Technical data

Approvals

Workspace

Secured switch-off distance s_{ar}	
Only with sliding door	20 mm (Only applies for use on sliding doors with deactivated guard lock monitoring)

Operating and display elements

Occupancy diagram

B1

L1

Item	Color	Extras	Note slide-in label	Version	Switching element	Slide-in label	Number	Designation1	LED
1		with adhesive ring		Emergency stop illuminated	2 PD				
90				Illuminated pushbutton	1NO				
91				Illuminated pushbutton	1NO				
92				Illuminated pushbutton	1NO				

Electrical connection values

Connecting cable	
Ethernet	Ethernet/IP cable, at least cat. 5e
Rated insulation voltage U_i	75 V
Rated impulse voltage U_{imp}	0.5 kV
EMC protection requirements	In accordance with EN 61000-4 and EN 61326-3-1

maximum feed-in current in the connection block		
	X1, X2	max. 4000 mA
Safety class		III
Current consumption		max. 500 mA
Transponder coding		Unicode
Degree of contamination (external, according to EN 60947-1)		3
		Power supply X1
Fuse		
	external	min. 1 A slow blow
Operating voltage DC		
	L1	24 V DC -15% ... +10% ((reverse polarity protected, regulated, residual ripple<5%, PELV))
Auxiliary voltage DC		
	L2	24 V DC -15% ... +10% (The auxiliary voltage is not required for the MGB system)
		Power supply X2
Operating voltage DC		
	L1	24 V DC -15% ... +10% (For looping through for connected devices)
Auxiliary voltage DC		
	L2	24 V DC -15% ... +10% (For looping through for connected devices)

Mechanical values and environment

Connection type	
	M12, A-coded, for enabling switch (X14)
	M12 Power, A-coded (X2)
Ethernet/IP cable, at least cat. 5e	M12, D-coded, screened (X4)
	M12 Power, A-coded (X1)
Ethernet/IP cable, at least cat. 5e	M12, D-coded, screened (X3)
Installation orientation	Door hinge DIN left
Switching frequency	0.25 Hz
Storage temperature	-25 ... 70 °C
Mechanical life	
in case of use as door stop, and 1 Joule impact energy	0.1×10^6
	1×10^6
Response time	
Enabling switch	max. 100 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Bolt position	max. 250 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Door position	max. 250 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Guard locking	max. 250 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)
Emergency stop / machine stop	max. 100 ms Turn-off time (The reaction time is the max. time between the change in the input status and the deletion of the corresponding bit in the bus protocol.)