

MGB-L0-ARA-AM3A1-S1-R-138003 (Order no. 138003)

Technical data

Approvals



Operating and display elements

Occupancy diagram L1

Item	Color	Extras	Note slide-in label	Version	Switching element	Slide-in label	Number	Designation1	LED
1		with monitoring contact		Emergency stop	2 PD + 1 NO				
2				Illuminated pushbutton	1NO				
3				Illuminated pushbutton	1NO				

Electrical connection values

Rated insulation voltage U_i	30 V
Rated impulse voltage U_{imp}	1.5 kV
Discrepancy time	
between FO1A and FO1B	max. 10 ms
Utilization category	
DC-13	24V 200mA
	(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

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

Emergency stop

Breaking capacity	max. 0.25 W
Switching voltage	5 ... 24 V
Switching current	1 ... 100 mA
LED power supply	24 V DC

Monitoring outputs OD, OT, OL, OI

Output type	Semiconductor outputs, p-switching, short circuit-proof
Output voltage	$U_A - 2V \dots U_A$ 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 $U_B - 2V \dots U_B$ 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}