

MGB-L1-ARA-AL8A1-M-L-159883 (Order no. 159883)

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				Illuminated pushbutton	1NO				
2				Selector switch, illuminated	1NO				

Electrical connection values

Connection cross section

(rigid/flexible) with cable end sleeve according to DIN 46 228/1	0.25 ... 1.5 mm ²
(rigid/flexible) with cable end sleeve with collar according to DIN 46 228/1	0.25 ... 0.75 mm ²
(rigid/flexible)	0.13 ... 1.5 mm ² (AWG 24 ... AWG 16)

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
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	$U_A - 2V \dots U_A$ 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))