

MGB-L1-ARA-AA1A1-S1-R-111071 (Order no. 111071)

Locking module MGB-L1-ARA... (guard locking by spring force) without controls or indicators, RC18

- ▶ Guard locking with guard lock monitoring
- ▶ Can be connected in series with other AR devices (e.g. CES-AR and CET-AR)
- ▶ With plug connector RC18
- ▶ Unicode



Guard locking type

MGB- The locking arm is held in the locked position by spring force and is unlocked by solenoid force
L1... (closed-circuit current principle, mechanically locked).

Door hinge

A mechanical door stop is permanently integrated into the evaluation module of the MGB. A marking on the stop makes adjustment easier.

LED indicator

The LED indicator indicates all important system and status information.

Monitoring outputs

- OD ON when the door is closed
- OT Bolt tongue inserted into the evaluation module
- OL Guard locking solenoid in locked position
- OI Diagnostics; there is a fault

Technical data

Approvals



Operating and display elements

Occupancy diagram L0

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
Solenoid control input IMP1, IMP2, IMM	
Test pulse duration	max. 5 ms
Test pulse interval	min. 100 ms
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 right
Switching frequency	0.25 Hz
Storage temperature	-25 ... 70 °C