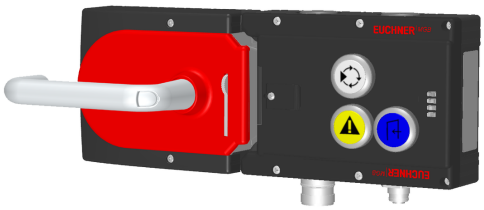
MGB-L1H-APA-L-114238 (Order no. 114238)

Locking set MGB-L1H-APA... (guard locking by spring force) with 3 pushbuttons, M12 for enabling switch, RC18

- Guard locking with guard lock monitoring
- 3 pushbuttons (illuminated, wh, ye, bu and printed)
- With plug connector RC18
- With plug connector M12 for enabling switch
- Unicode



Guard locking type

MGB-L1...	The locking arm is held in the locked position by spring force and is unlocked by solenoid force (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

OT	Bolt tongue inserted into the evaluation module
OI	Diagnostics; there is a fault

Pushbuttons

S2	1 NO contact, white, illuminated and printed
S3	1 NO contact, yellow, illuminated and printed
S4	1 NO contact, blue, illuminated and printed

Connection for enabling switch

The device has an M12 plug connector for the direct connection of an enabling switch (e.g. ZSA, order no.: 110560).

Technical data

Approvals

Handle modules MGB-H-AA1A3-L-111158 (Order no. 111158)

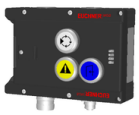
Mechanical values and environment

Installation orientation		Door hinge DIN left
Storage temperature		-25 ... 70 °C
Degree of protection		IP65
Ambient temperature		-20 ... 55 °C
Material		
	Housing	Fiber glass reinforced plastic, nickel-plated die-cast zinc, stainless steel

Miscellaneous

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

Locking modules MGB-L1-APA-AA6A1-S5-L-114237 (Order no. 114237)



Operating and display elements

Occupancy diagram	L1

Item	Color	Extras	Note slide-in label	Version	Switching element	Slide-in label	Number	Designation1	LED
2	white	printed		Illuminated pushbutton	1NO				
3	yellow	printed		Illuminated pushbutton	1NO				

4	blue	printed		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
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	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