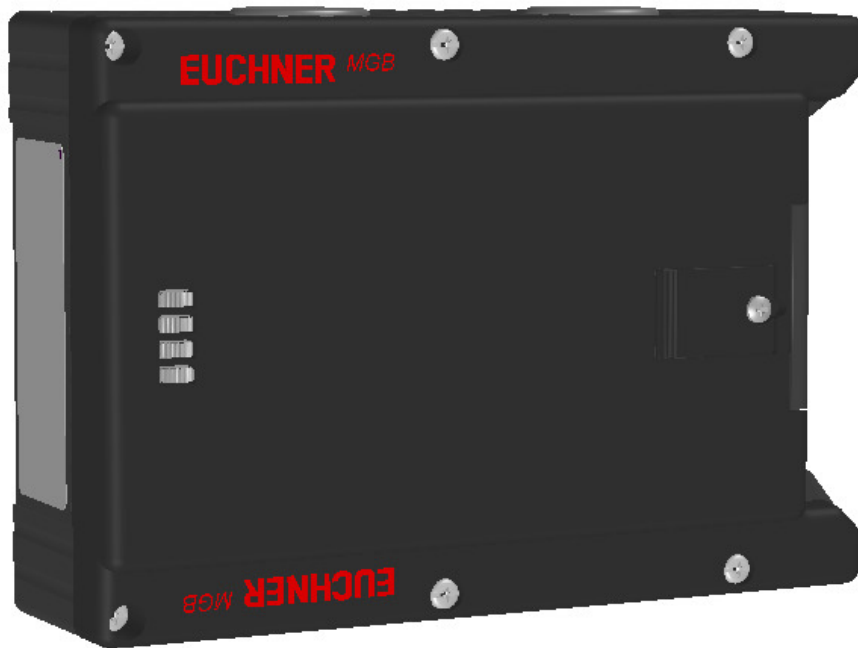


ITEM 105331 MGB-L0-ARA-AA1A1-M-105331

Description	Technical data	Accessories	Downloads
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Features

- › Locking (without guard locking)
- › Can be connected in series with other AR devices (e.g. CES-AR and CET-AR)
- › With cable entry
- › Unicode

Guard locking type

MGB- The bolt tongue in the handle module is moved into and out of the **L0...** interlocking module by actuating the door handle. The door arm is not locked in the locked position.

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 in the evaluation module
- OI** Diagnostics; there is a fault

Approvals



Mechanical values and environment

Housing material	Reinforced plastic; die-cast zinc nickel-plated, stainless steel
Weight	Net 0,75 kg
Ambient temperature	
At $U_B = 24V$ DC	-20 ... 55 °C
Degree of protection	IP65
Mechanical life	
In case of use as door stop, and 1 Joule impact energy	1×10^6 $0,1 \times 10^6$
Installation position	Any
Switching frequency	0,25 Hz
Connection	Cable entries M20x1.5

Electrical connection ratings

Utilization category according to EN 60947-5-2	
DC-13	24V 200mA ^[1]
Rated insulation voltage U_i	30 V
Rated impulse withstand voltage U_{imp}	1,5 kV
Degree of contamination (external, according to EN 60947-1)	3
Connection cross-section	
(Rigid/flexible)	0,13 ... 1,5 mm ²
(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
Safety class	III
Discrepancy time	
Between FO1A and FO1B	max.10 ms
Risk time according to EN 60947-5-3	max.350 ms

Transponder coding	Unicode
Power supply U_B	
Operating voltage DC	U _B 24 V DC -15% ... 10% [2]
Current consumption	I _{UB} max.80 mA [3]
Power supply U_A	
Operating voltage DC	U _A 24 V DC -15% ... 10% [4]
Current consumption	I _{UA} max.10 mA [5]
Safety outputs FO1A, FO1B	
Test pulses	max.1 ms
Test-pulse interval	min.100 ms
Type of output	Semiconductor outputs, p-switching, short circuit-proof
Output voltage	U _{FO1A} /U _{FO1B} HIGH U _B -2V ... U _B V DC [6] U _{FO1A} /U _{FO1B} LOW 0 ... 1 V DC
Output current	Per safety output FO1A / FO1B 1 ... 200 mA
Monitoring outputs OD, OT, OL, OI	
Type of output	Semiconductor outputs, p-switching, short circuit-proof
Output voltage	U _A -2V ... U _A V DC [7]
Output current	max.50 mA

Controls and indicators

Assignment diagram	L0
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Miscellaneous

Product version number	V3.0.3
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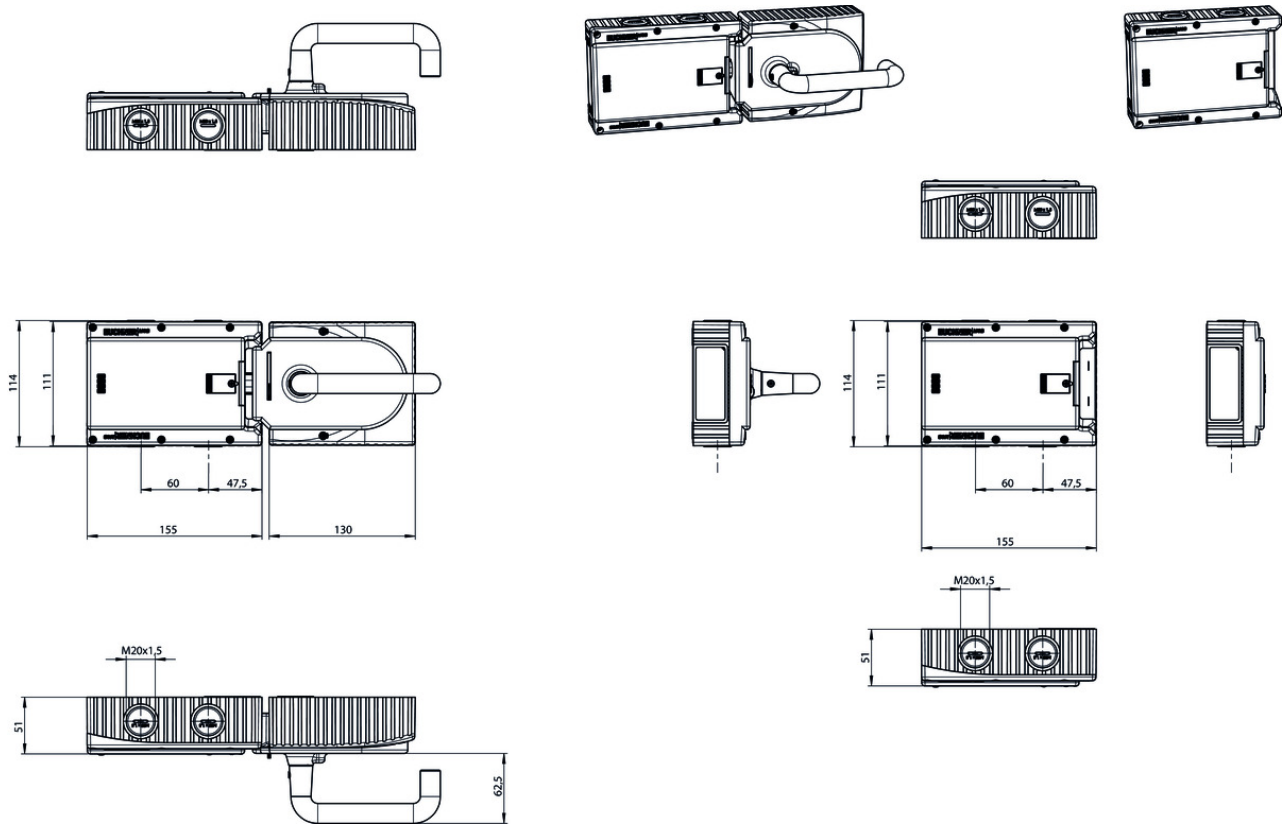
Reliability values acc. to EN ISO 13849-1

Monitoring of the position of the safety guard	
Category	4
Performance Level	PL e
PFH _D	3.7 x 10 ⁻⁹

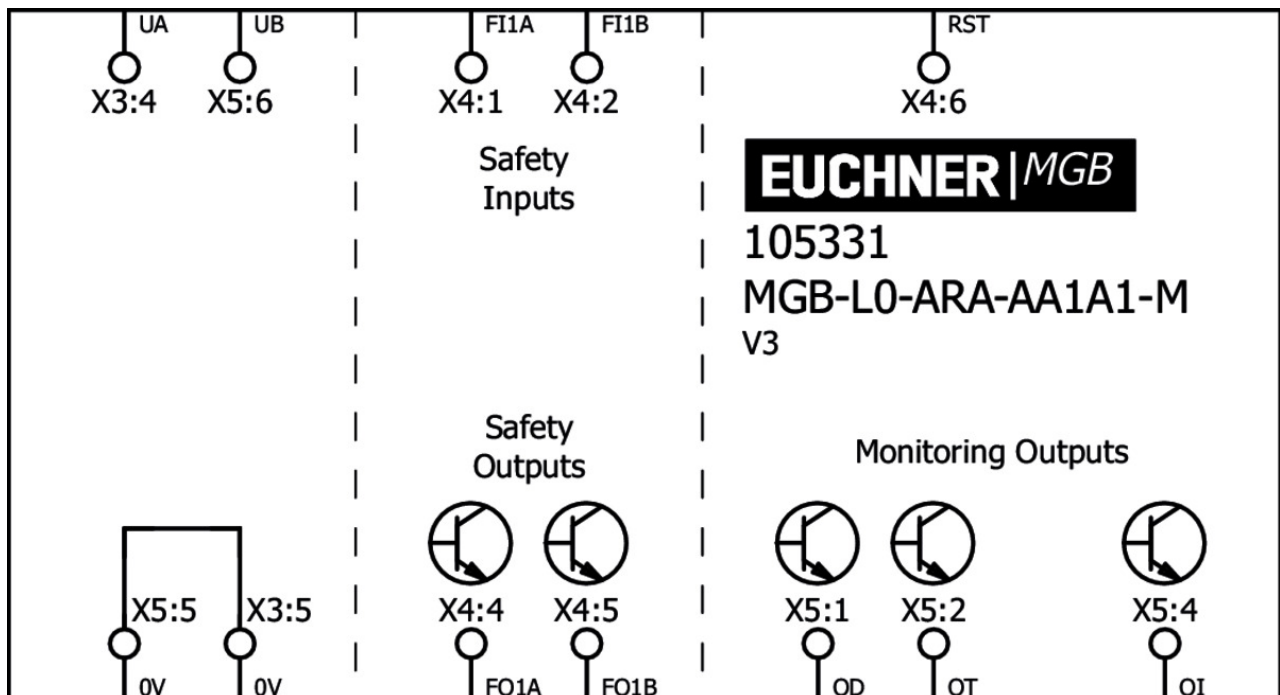
Mission time	20 y
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- [1] Caution: outputs must be protected with a free-wheeling diode in case of inductive loads.
- [2, 4] (Reverse polarity protected, regulated, residual ripple <5%, PELV)
- [3] (no load on outputs)
- [5] (With no load on outputs OD, OT, OL, OI)
- [6, 7] Value at a switching current of 50mA without taking into account the cable lengths

Dimension drawing



Cable entry



Connection material

▼ Built-in connector RC18

120403 MGB-A-PLUGCONNECTOR-RC18-120403

▼ Features

- › For all MGB with cable entry
-

▼ Cable glands M20x1.5



086233 EKPM20/06 086233

Mounting accessories

▼ Mounting plate for evaluation modules MGB-L.-AR.-... and MGB-L.-AP.-...



109490 MGB-A-MOUNTINGPLATE-L-109490

▼ Features

- › Easy and quick mounting (only two screws required)
 - › Quick module replacement
 - › Steel, powder-coated
 - › Suitable for doors hinged on the right or left
-

Miscellaneous accessories

▼ Lens set 5 colors



120344 AY-SET-LNS-0001-120344

▼ Lens set labeled



125359 AY-SET-LNS-SY02-125359



126158 AY-SET-LNS-SY03-126158



120377 AY-SET-LNS-SY01-120377

▼ Lens set 6 colors



120378 AY-SET-LNS-0002-120378


























Instructions

▼ Návod k použití – bezpečnostní systémy MGB-L0...AR-... a MGB-L0...AP-... od V3.0.0

	Doc. no.	Version	Language	Download
Betriebsanleitung MGB-L0...AR-... und MGB-L0...AP-... ab V3.0.0	2112657	13-05/18		 2.9 MB
Mode d'emploi MGB-L0...AR-... et MGB-L0...AP-... à partir de V3.0.0	2112657	13-05/18		 3.0 MB
Manual de instrucciones MGB-L0...AR-... y MGB-L0...AP-... V3.0.0 o superior	2112657	13-05/18		 2.9 MB
Návod k použití – bezpečnostní systémy MGB-L0...AR-... a MGB-L0...AP-... od V3.0.0	2112657	13-05/18		 3.2 MB
Operating Instructions MGB-L0...AR-... and MGB-L0...AP-... from V3.0.0	2112657	13-05/18		 2.9 MB
Istruzioni di impiego per MGB-L0...AR-... e MGB-L0...AP-... da V3.0.0	2112657	13-05/18		 2.9 MB
Instrukcja obsługi MGB-L0...AR-... i MGB-L0...AP-... od V3.0.0	2112657	13-05/18		 3.2 MB
Manual de instruções MGB-L0...AR-... e MGB-L0...AP-... a partir de V3.0.0	2112657	13-05/18		 2.9 MB
Инструкция по эксплуатации MGB-L0...AR-... и MGB-L0...AP-... с V3.0.0	2112657	13-05/18		 3.4 MB
Instruktionsbok MGB-L0...AR-... och MGB-L0...AP-... fr. V3.0.0	2112657	13-05/18		 2.9 MB
操作指示書 安全システム MGB-L0...AR-... および MGB-L0...AP-... V3.0.0以降	2112657	13-05/18		 3.3 MB
使用说明书 安全系统 MGB-L0...AR-...和MGB-L0...AP-... V3.0.0以上	2112657	13-05/18		 3.3 MB







▼ Sicherheitsinformation (Teil der Betriebsanleitung Sicherheitssystem MGB-AR/MGB-AP) ab V3.0.0

Doc. no. Version Language Download

Sicherheitsinformation (Teil der Betriebsanleitung Sicherheitssystem MGB-AR/MGB-AP) ab V3.0.0 Información de seguridad (parte del manual de instrucciones Sistema de seguridad MGB-AR/MGB-AP) V3.0.0 o superior Information de sécurité (partie du mode d'emploi Système de sécurité MGB-AR/MGB-AP) à partir de V3.0.0 Informazioni sulla sicurezza (Parte delle istruzioni di impiego Sistema di sicurezza MGB-AR/MGB-AP) da V3.0.0 Säkerhetsinformation (Del av instruktionsboken Säkerhetssystem MGB-AR/MGB-AP) från V3.0.0 Safety Information (Part of the Operating Instructions Safety System MGB-AR/MGB-AP) from V3.0.0	123151	01-02/15	     	 0.6 MB
Veiligheidsinformatie (Deel van de handleiding Beveiligingssysteem MGB-AR/MGB-AP) vanaf V3.0.0	123151	01-02/15		 0.2 MB
Informação de segurança (Parte do manual de instruções Sistema de segurança MGB-AR/MGB-AP) a partir de V3.0.0	123151	01-02/15		 0.2 MB
Bezpečnostní informace (součást návodu k použití „Bezpečnostní systém MGB-AR/MGB-AP“) od V3.0.0	123151	01-02/15		 0.2 MB
Informacje o bezpieczeństwie (Część instrukcji obsługi System bezpieczeństwa MGB-AR/MGB-AP) od V3.0.0	123151	01-02/15		 0.2 MB
Информация о безопасности (часть инструкции по эксплуатации Предохранительная система MGB-AR/MGB-AP) с V3.0.0	123151	01-02/15		 0.3 MB
Bezpečnostná informácia (časť návodu na prevádzku Bezpečnostný systém MGB-AR/MGB-AP) od V3.0.0	123151	01-02/15		 0.2 MB
Güvenlik bilgisi (İşletim kılavuzunun parçası emniyet sistemi MGB-AR/MGB-AP) V3.0.0 ve üstü	123151	01-02/15		 0.3 MB
安全信息 (安全系统 MGB-AR/MGB-AP使用说明书的组成部分) V3.0.0以上	123151	01-02/15		 0.3 MB
安全情報 MGB-AR/MGB-AP	123151	01-02/15		 0.6 MB

Declaration of conformity

EU-Konformitätserklärung

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	2123150	08-01/17	    	 0.3 MB

CAD data

CAD data for this item on TraceParts