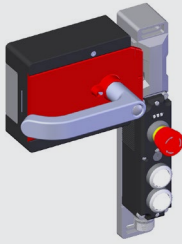


Product Spotlight

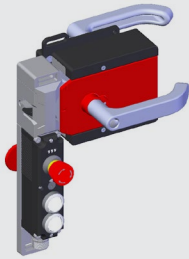
MGBS RFID Locking Safety Gate Switch *Selection Guide*

Flexible design with many options provides easy integration and highest reliability for a variety of different applications, improving safety while saving time and money.

Without
Escape
Release



With
Escape
Release



- Up to Category 4/PLC per EN ISO 13849-1
- Medium Duty - metal head with a reinforced thermoplastic body
- Locking force rating of up to 3,000N
- Ingress Protection Rating IP65
- RFID high coded solution
- Guard lock monitoring – OSSD Safety Outputs
- Lockout capability built in the handle
- Diagnostic information provided via LED's
- AR Versions - ESTOP, 2 Illuminated Push Buttons
- MGB2 style handle and switch with built in mounting plate
- Includes lens set allowing user-defined push button color and functionality

Step 1 Determine Application Requirements

Which switch variation will be required?

- **AP** – Wiring each switch individually to a PLC Safety Input or Safety Relay
Not currently available with control devices
- **AR** – Wiring multiple switches in series to a PLC Safety Input or Safety Relay
Available with control devices

What locking principle is required?

- Power To Unlock
- Power To Lock

Will an escape release be required?

- Full body application – Escape Release is typically required
- Partial body application – Escape Release may not be required

Which orientation is required?

- Right Hand Hinge
- Left Hand Hinge

Step 3 Select Accessories

PUR cables: Straight M23
19 Pin Female

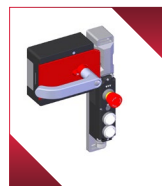
- 3m: 092816
- 6m: 077014
- 8m: 077015
- 10m: 092898
- 20m: 092726
- 25m: 092727
- 20m: 095993
- 40m: 102490

PVC cables: Straight M12
8 Pin Female

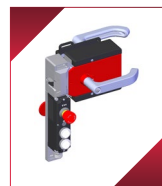
- 5m: 100177
- 10m: 100178
- 20m: 100179
- 30m: 115116
- 40m: 156065

PUR Cables Available

Switch Orientation



Left Hand Hinge



Right Hand Hinge

Step 2 Determine Switch Part Number

AP Version		
Switch is wired individually to a Safety PLC, Safety Controller or Safety Relay M12 Male 8 Pin Connector		
Without Escape Release	Locking Principle	With Escape Release
161565	Power To Unlock – Right Hand Hinge	161558
161567	Power To Unlock – Left Hand Hinge	161559
[AP] versions not currently available with an ESTOP or Illuminated Push Buttons		
AR Version		
Switches can be wired in series to a Safety PLC, Safety Controller or Safety Relay M23 Male 19 Pin Connector		
Without Escape Release	Locking Principle	With Escape Release
161563	Power To Unlock – Right Hand Hinge	160520
161564	Power To Unlock – Left Hand Hinge	160521
160522	Power To Unlock – Right Hand Hinge	164688
160523	Power To Unlock – Left Hand Hinge	164689
[AR] versions include an ESTOP and 2 Illuminated Push Buttons		
[AR] versions are offered in other configurations, contact the Applications Team for Assistance		

Recommended Safety Relays

- ESM-BA201 # 085610**
- ESM-BA301 # 085613**

ESM-BA. Use up to category 4 according to EN ISO 13849-1

- 2 LED status indicators
- 1-channel or 2-channel control
- 2 redundant safety contacts (085610)
- 3 redundant safety contacts (085613)
- Short circuit and earth fault/ground fault monitorin

Click here if you need to integrate a Safety Relay or Safety Controller in your application

Scan the QR code



for more information

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