

Product Spotlight

CTS 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.

- Up to Category 4/PLe per EN ISO 13849-1
- Medium Duty - metal head and reinforced thermoplastic body
- Locking force rating of up to 3,000N
- Ingress Protection Rating IP65/IP67/IP69/IP69K
- RFID high coded solution – Actuator 167919
- Guard lock monitoring – OSSD Safety Outputs
- Diagnostic information provided via LED's
- FlexFunction actuators determine the switch configuration and function – 4 options available

Step 1 Determine Application Requirements

Which switch variation will be required?

- BP – Wiring each switch individually to a PLC Safety Input or Safety Relay
- BR – Wiring up to 5/10 switches in series to a PLC Safety Input or Safety Relay

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

Select Accessories

- Improves Reliability
 - Provides Additional Functionality
- Actuator sold separately

Step 3 Select Accessories



Switch - 171775



Actuator - 171776



Mounting plates - 172601



Actuator - 167919



Lockout Bar - 171364

Additional Actuators Available

Step 2 Determine Switch Part Number

BP Version		
Switch is wired individually to a Safety PLC, Safety Controller or Safety Relay M12 Male 8 Pin Connector		
Switch	Locking Principle	Escape Release Accessory
167917	Power To Unlock	
169051	Power To Lock	172426
BR Version 1		
Up to 10 Switches can be wired in series to a Safety PLC, Safety Controller or Safety Relay M12 Male 8 Pin Connector and M12 Male 5 Pin Connector		
Switch	Locking Principle	Escape Release Accessory
169612	Power To Unlock	
169613	Power To Lock	172426
BR Version 2		
Up to 5 Switches can be wired in series to a Safety PLC, Safety Controller or Safety Relay M12 Male 8 Pin Connector		
Switch	Locking Principle	Escape Release Accessory
174014	Power To Unlock	
174018	Power To Lock	172426
Wiring switches in series – Contact the Applications Team for Assistance		

Straight Connector
M12 Female

5 Pin

- 5m: 100183
- 10m: 100184
- 20m: 100185

8 Pin

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

PUR Cables Available

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 monitor

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

Euchner Canada

1 Zenway Blvd. Units 2 & 3, Vaughan, ON L4H 3H9
+1 866 506 9998 | www.euchner.ca

Scan the QR code



for more information