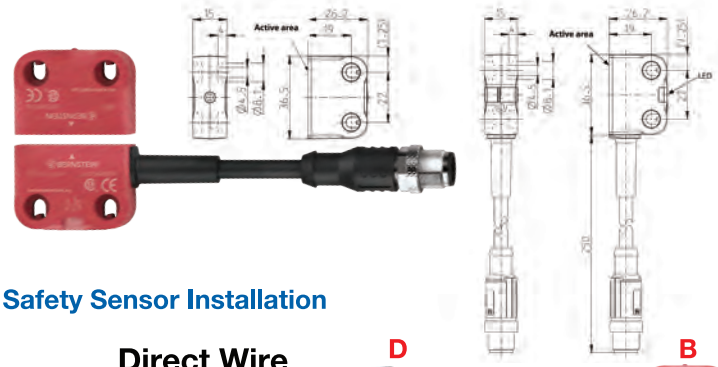
Non-Contact RFID Safety Sensor



ADVANTAGES

- 2 OSSD safety outputs
- M12 plug-in installation
- Up to 32 switches in series
- Cat 4. / PLe / SIL CL 3
- Protection Class - IP69
- Low, high or unique coding
- Fault tolerant outputs
- Optional features
  - Local reset
  - PNP or daisy chain IO link monitoring
  - Android smartphone diagnostics

Single Safety Sensor Installation

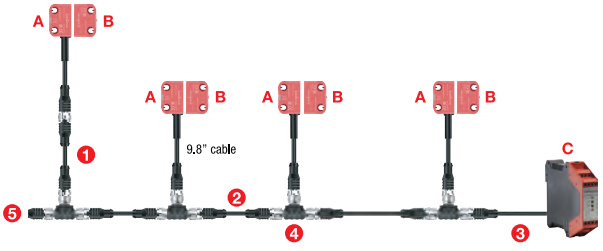


A = Sensor with attached 6.5' cable	607.5685.118
B = Actuator (sold separately)	607.5687.078
D = Safety Relay	607.5111.020



A1 = Sensor with 10" cable to connector	607.5685.121
B = Actuator (sold separately)	607.5687.078
C = Connection Cable 6.5'	607.5689.092
C = Connection Cable 16.4'	607.5689.093
D = Safety Relay	607.5111.020

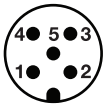
Series Safety Sensor Installation



A = Sensor with attached 6.5' cable	607.5685.096
B = Actuator (sold separately)	607.5687.078
1 = Sensor extension cable 3.2'	607.5689.085
2 = Main extension cable 6.4'	607.5689.087
2 = Main extension cable 16.4'	607.5689.088
3 = Connection cable 6.4'	607.5689.091
4 = Main T connector	607.5989.082
6 = Terminator Cap	607.5689.084
C = Safety Relay	607.5111.020

Connector Types

Single Connection
From Sensor to Controller



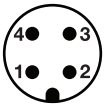
Color Code
1 Brown (24V+)
2 White (OSSD1)
3 Blue (0V)
4 Black (OSSD2)
5 Grey (PNP/OUT)

Series Connection
From Sensor to Series Line



Color Code
1 White
2 Brown
3 Green
4 Yellow
5 Grey
6 Pink
7 Blue
8 Red

Series Connection
Series Main Line



Color Code
1 Brown (24V+)
2 White (OSSD1)
3 Blue (0V)
4 Black (OSSD2)

COMPETITORS

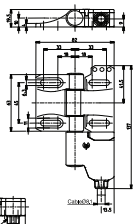
Schmersal	Pilz	Telemechanique	Sick
Allen Bradley	Reer	Pizzato	ABB
Euchner	Automation Direct	Lueze	Balluff
Omron	Elobau	Idem	Siemens

Hinged Safety Switches with M12 Connector

Combines door hinge with a safety switch; no alignment or actuation key issues

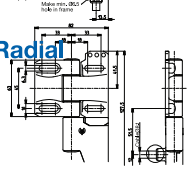


Axial





Radial



ADVANTAGES

- NC/1NO Contacts
- Easy to Install
- Tamper Resistant
- No Actuator
- No Alignment Issues
- Suitable for Cat 4 / PLe
- Reliable Operation
- Limited Wear
- Switch Point Can Be Reset
- 3 Degree Fine Adjustment
- Also in Stainless Steel
- IP67 (IP69K Also Available)

Connection	Door Side	Contacts	Part Number
Axial	Right	2NC/1NO	601.9490.054
Axial	Left	2NC/1NO	601.9490.055
Radial	Right	2NC/1NO	601.9490.056
Radial	Left	2NC/1NO	601.9490.063
Blank Hinge (without components)		601.9490.049	

Connection Cables	
2 Meter (6.6') Straight 6 Pole Connector	325.1006.291
5 Meter (16.4') Straight 6 Pole Connector	325.1006.292
10 Meter (32.8') Straight 6 Pole Connector	325.1006.293

COMPETITORS

Schmersal	Euchner
Elesa	Leuze
Banner*	Pilz

Keyed Safety Switches

Uses to detect the position of safety gates and guards.

SKI Keyed Safety Switch
Small Plastic Body



Keys ordered separately

Contacts	Part Number
2NC	601.6869.189
2NC/1NO	601.6869.252

SK Keyed Safety Switch
Industrial Format Plastic Body



Keys ordered separately

Contacts	Part Number
2NC	601.6169.182
2NC/1NO	601.6169.183

Advantages

- Rotating head position
- Variety of actuators keys
- Plastic versions
- Industrial standard mounting

COMPETITORS

Schmersal	Telemecanique	Banner*
Euchner	STI	Allen Bradley
IDEC	Automation Direct	Omron
Pizzato		

Keyed Safety Switches

Uses to detect the position of safety gates and guards.



Solenoid Operation	Solenoid Voltage	Contacts Key Insertion	Contacts Solenoid Lock	Part Number
Normally Locked	24V DC	1NC/1NO	1NC/1NO	601.8119.045
(energize	24V DC	2NC	1NC/1NO	601.8169.050
solenoid to	110/230V AC	1NC/1NO	1NC/1NO	601.8119.046
unlock)	110/230 V AC	2NC	1NC/1NO	601.8169.051
Normally Unlocked	24V DC	1NC/1NO	1NC/1NO	601.8119.047
(energize	24V DC	2NC	1NC/1NO	601.8169.052
solenoid to	110/230V AC	1NC/1NO	1NC/1NO	601.8119.048
lock)	110/230 V AC	2NC	1NC/1NO	601.8169.053

**Actuator keys sold separately.*

Advantages

- Locks guarding gates and doors closed
- Rotating head position
- Prevent access while machine winds down
- Variety of actuators keys
- Normally locked & unlocked versions
- Metal & plastic versions
- Mounts easily on extruded rail systems
- Industrial standard mounting

COMPETITORS

Euchner	Banner*	Idem
IDEC	Omron	Honeywell
Telemecanique	Siemens	Sick

Safety Rope Pull Switches

Provides emergency stop access over a large area



Maximum Cable Length	Contacts	Slack Warning	Part Number
124 Feet	2NC/2NO	No	601.2929.085
124 Feet	3NC/1NO	No	601.2999.094
124 Feet	2NC/2NO	Yes	601.2929.086
124 Feet	3NC/1NO	Yes	601.2999.095
246 Feet	2NC/2NO	No	601.2929.087
246 Feet	3NC/1NO	No	601.2999.096
246 Feet	2NC/2NO	Yes	601.2929.088
246 Feet	3NC/1NO	Yes	601.2999.097



ADVANTAGES

- Rugged metal IP67 rated housing
- BG, cCSAus and CCC approval
- Rope tension display for fast set up & monitoring
- Covered tamper-proof switching & mechanics
- Integrated emergency stop/reset button
- Slack tension monitor warning output available
- Time saving Quick-Fix rope clamping head
- Flexible application for different cable lengths

COMPETITORS

Schmersal	Euchner*	Banner*
Leuze	Omron	Pilz*

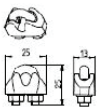
Accessories

Safety Cable (Sold per Meter)



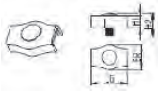
369.9100.025

U - Clamp



269.741.002

Oval Clamp



269.0000.005

Stiffener



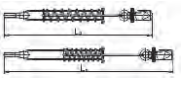
269.6899.014

Turn-buckle



269.1480.017

Quick Fix Spring



391.1042.153

Swivel Pulley



269.0000.023