Coded Non Contact Safety Interlock Switches

Plastic versions are specified to 80 C. but are designed to work up to 100 C. Stainless Steel versions are specified to 105 C. but are designed to work up to 125 C. All switches will operate with most EN 954-1 Cat.4 Safety Relays.

EUROCODE Type : LPC
IDECODE Type : SPC

HYGIECODE Type : SMC
IDECODE Type : CPC
IDECODE Type : MPC

Application:
IDEEM Coded Non Contact switches are designed to interlock hinge, sliding or removal guard doors. They are specifically advantageous when:

a) Poor guard alignment exists
b) Tamperproofing is required
c) High hygiene requirements exist e.g. food industry hose down
d) A long mechanical life is required (no moving or touching parts).

When used in combination with Dual Channel Safety Relays Non Contact Switches can be used to provide up to Category 4 to EN 954-1.

Operation:

All IDEM Coded Non Contact Safety Switches are designed to conform to IEC 947-5-3 and be used as directed by EN1088, EN 292 and EN 60204-1. They have coded magnetic sensing which provides a wide (>12mm) sensing distance and provides a high tolerance to misalignment after sensing. They can be fitted behind stainless steel fittings and can operate from 4 directions even in extreme environments of temperature and moisture.

Features:

Magnetically coded
Dual channel safety output 2NC (1NO optional)
Wide switching distance up to 14mm
High tolerance to guard misalignment
Visual LED indication of switch status
Quick Connect versions
Enclosure Protected to IP 67 - wash down suitable
Conformance to IEC 947-5-3 PDF-S

Magnetically coded to prevent tampering or accidental operation of the switch when the actuator is not present.

5 enclosure types are available providing a choice of compact plastic or hygienic stainless steel housings or a larger traditional industry type plastic enclosure.

Circuit configurations: 2NC or 2NC 1NO for use with most modern control circuits.

High resistance to many organic and inorganic chemicals.

Resistant to high temperature hosing or detergent washdown.

www.idemsafety.com
IDECODE - Coded Interlock Switches - Type MPC

Coded Magnetic Actuation          Switching Tolerance up to 10mm

Will operate with most EN 954-1 Cat.4 Safety Relays.

Specified to 80°
but designed to work up to 100°

Plastic Housing

Screw Cap Covers
Cable Right

Left or Right Cable Exits

Connection example – coded switches

Single switch connected to an SCR-2 or SCR-3 to give Dual Channel monitoring with Automatic Start.

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Cable Length</th>
<th>Circuits</th>
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<tbody>
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<tr>
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</table>

* Other QC sizes available upon request

Standards
- EN1058
- IEC 947-5-3
- EN 60204-1
- UL508

Safety Channel 1 NC
24V dc: 0.2 A Max. Rating

Safety Channel 2 NC
24V dc: 0.2 A Max. Rating

Safety Channel 3 NO
24V dc: 0.2 A Max. Rating

Power supply (regulated)
24V dc ±15% Max Consumption 50mA

Minimum switched current
10V dc: 10mA

Insulation Resistance
100 Mohms

Dielectric withstand
250V ac

Recommended setting gap
5mm

Switching Distance:
90 mm Close

(Target to target)
12mm Open

Tolerance to misalignment
5mm in any direction from 4mm setting

Switching frequency
1.0 Hz maximum

Approach speed
200mm/min. to 1000mm/s.

Body Material
Polyester

Temperature Range
-25 / 80°C.

Enclosure Protection
IP67

Shock Resistance
IEC 68-2-27
11ms 30g

Vibration Resistance
IEC 68-2-6
10-55 Hz 1mm

Mechanical Life Expectancy
10,000,000 switchings

Electrical Life Expectancy
1,000,000 switchings

De-rating Safety Factor 2

Cable Type
PVC 6 core 6mm O.D. for 2NC
8core 6mm O.D. for 2NC 1NO

Mounting Bolts
2 x M4 recommended

Tightening torque: 0.8Nm

Mounting Position
Any

www.idemsafety.com
IDECODE - Coded Non Contact - Type SPC

Coded Magnetic Actuation  Switching Tolerance up to 14mm

Will operate with most EN 954-1 Cat.4 Safety Relays

Specified to 80° but designed to work up to 100°

Universal fitting - established 22mm fixing footprint suitable for most general applications. Withstands environments where high humidity or hose down is required.

Durable polyester housing.

Wide 14mm sensing and high tolerance to misalignment.

Up to EN 954-1 Cat.4 with safety relay.

2NC 1NO circuits.

Quick connect versions.

Connection example – coded switches

Single switch connected to an SCR-2 or SCR-3 to give Dual Channel monitoring with Manual Start.

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Cable Length</th>
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<td>2NC 1NO</td>
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<td>Idecode SPC</td>
<td>QC-M12</td>
<td>2NC</td>
</tr>
</tbody>
</table>

www.idemsafety.com
HYGIECODE - Coded Non Contact - Type SMC

Coded Magnetic Actuation  Switching Tolerance up to 14mm

Will operate with most EN 954-1 Cat.4 Safety Relays

Robust Stainless Steel 316 enclosure designed to survive the tough environments of Food and Pharmaceutical applications.

LED indication.

Survives high pressure hosing at high temperature.

High temperature specification 105°C.

Wide 14mm sensing and high tolerance to misalignment.

Universal fitting - established 22mm fixing footprint suitable for most general applications.

Up to EN 954-1 Cat.4 with safety relay.

2NC 1NO circuits.

Quick connect versions.

Application example – coded switches

Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel monitoring with manual start and contactor feedback check.

Specifications

- **EN1088 IEC 947-5-3 EN 60024-1**
- **EN 954-1 UL508**
- **Safety Channel 1 NC 24V dc 0.2 A Max. Rating**
- **Safety Channel 2 NC 24V dc 0.2 A Max. Rating**
- **Safety Channel 3 NO 24V dc 0.2 A Max. Rating**
- **Power supply 24V dc +/- 15% Max. Consumption 50mA**
- **Minimum switched current 10V dc 10mA**
- **Insulation Resistance 100 Mohms**
- **Dielectric withstand 250V ac**
- **Recommended setting gap 5mm**
- **Switching Distance: Short 10mm Close**
- **Tolerance to misalignment 5mm in any direction from 5mm setting gap**
- **Switching frequency 1.0 Hz. maximum**
- **Approach speed 200mm/s, to 5000mm/s.**
- **Body Material Stainless Steel 316**
- **Temperature Range -25 / 105°C.**
- **Enclosure Protection IP67**
- **Shock Resistance IEC 68-2-27 11ms 30g**
- **Vibration Resistance IEC 68-2-6 10-65Hz. 1mm**
- **Mechanical Life Expectancy 10,000,000 switchings**
- **Electrical Life Expectancy 1,000,000 switchings**
- **Operating Safety Factor 2**
- **Cable Type PVC 6 core 0.5mm² for 2NC**
- **Mounting Bolt 2 x M4 recommended**
- **Mounting Position Any**

Sales Number  | Type  | Cable Length | Circuits |
-------------|-------|--------------|----------|
139001       | Hygiecode SMC | 2M          | 2NC      |
139002       | Hygiecode SMC | 5M          | 2NC      |
139003       | Hygiecode SMC | 10M         | 2NC      |
139004       | Hygiecode SMC | GC-M12      | 2NC      |
139005       | Hygiecode SMC | 2M          | 2NC 1NO  |
139006       | Hygiecode SMC | 5M          | 2NC 1NO  |
139007       | Hygiecode SMC | 10M         | 2NC 1NO  |
139008       | Hygiecode SMC | GC-M12      | 2NC 1NO  |
EUROCODE - Coded Non Contact - Type LPC

Coded Magnetic Actuation  Switching Tolerance up to 14mm

Popular European fitting suitable for all industry applications.
Narrow fitting for flush mounting
Wide 14mm sensing – high tolerance to misalignment
LED indication
Up to EN 954-1 Cat.4 with safety relay.
2NC 1NO circuits
Quick connect versions

Application example – coded switches

24Vdc

Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel monitoring with auto start and contactor feedback check.

Specifications:

- Standards: EN1088, IEC 947-5-3, EN 60204-1, EN 954-1, UL508
- Safety Channel 1 NC: 24V dc, 0.2 A Max. Rating
- Safety Channel 2 NC: 24V dc, 0.2 A Max. Rating
- Safety Channel 3 NC: 24V dc, 0.2 A Max. Rating
- Power supply: 24V dc, -10% Max. Consumption 50mA
- Minimum switched current: 10V, dc: 10mA
- Insulation Resistance: 100 Mohms
- Delbreak withstand: 250V ac
- Recommended setting gap: 5mm
- Switching Distance: 3mm Close
- (Target to target): 20mm Open
- Tolerance to misalignment: 5mm in any direction from 5mm setting gap
- Switching Frequency: 1,000 Hz maximum
- Approach speed: 200mm/min. to 1000mm/min.
- Body Material: Polyester
- Temperature Range: -25 to 80°C
- Enclosure Protection: IP65
- Shock Resistance: IEC 68-2-27, 11ms, 30g
- Vibration Resistance: IEC 68-2-6, 10-55 Hz, 1mm
- Mechanical Life Expectancy: 10,000,000 switchings
- Electrical Life Expectancy: 1,000,000 switchings
- De-rating: Safety Factor 2
- Tested to 2,000,000 cycles at 24V, 0.2A, 80°C
- Cable Type: PVC 8 core 8mm O.D. for 2NC
- 6 core 6mm O.D. for 2NC 1NO
- Mounting Bolts: 2 x M4 recommended
- Tightening torque: 0.8Nm
- Mounting Position: Any

Sales Number | Type       | Cable Length | Circuits
-------------|------------|--------------|---------
110001       | Eurocode LPC | 2M           | 2NC
110002       | Eurocode LPC | 5M           | 2NC
110003       | Eurocode LPC | 10M          | 2NC
110004       | Eurocode LPC | QC-M12       | 2NC
110005       | Eurocode LPC | 2M           | 2NC 1NO
110006       | Eurocode LPC | 5M           | 2NC 1NO
110007       | Eurocode LPC | 10M          | 2NC 1NO
110008       | Eurocode LPC | QC-M12       | 2NC 1NO

www.idemsafety.com
IDECODE - Coded Non Contact - Type CPC

Coded Magnetic Actuation
Switching Tolerance up to 14mm
Specified to 80°
but designed to work up to 100°

Plastic Housing
Will operate with most EN 954-1 Cat.4 Safety Relays

Application example – coded switches

24Vdc

Three switches connected in series to an SCR-2 or SCR-3 to
give Dual Channel monitoring
with auto start and contactor feedback check. Optional
auxiliary circuits provide for
remote signalling from each switch.

- Standards
  - EN1088
  - IEC 947-5-3
  - EN 60204-1
  - EN 954-1
  - UL508
- Safety Channel 1 NC
  - 24V dc: 0.2 A Max. Rating
- Safety Channel 2 NC
  - 24V dc: 0.2 A Max. Rating
- Safety Channel 3 NO
  - 24V dc: 0.2 A Max. Rating
- Power supply
  - 24V dc +/-15% Max. Consumption 50mA
- Minimum switched current
  - 10V dc: 10mA
- Insulation Resistance
  - 100 Mohms
- Dielectric withstand
  - 250V ac
- Recommended setting gap
  - 5mm
- Switching Distance
  - 55mm to target
- Target to target
  - Sar 20mm Open
- Tolerance to misalignment
  - 5mm in any direction from 5mm setting gap
- Switching frequency
  - 1.0 Hz. maximum
- Approach speed
  - 200mm/min. to 1000mm/s.
- Body Material
  - Polyester
- Temperature Range
  - -25 / 60°C
- Endurance Protection
  - IP67
- Shock Resistance
  - IEC 68-2-27 11ms 30g
- Vibration Resistance
  - IEC 68-2-6 10-55 Hz. 1mm
- Mechanical Life Expectancy
  - 10,000,000 switchings
- Electrical Life Expectancy
  - 1,000,000 switchings
- Deviating Safety Factor
  - 2
- Tested to 2,000,000 cycles at 24V, 0.2A.
- Cable Type
  - PVC 6 core 8mm O.D. for 2NC
  - 8 core 5mm O.D. for 2NC 1NO
- Mounting Bolts
  - 2 x M4 recommended
- Mounting Position
  - Tightening torque 9.8Nm

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Cable Length</th>
<th>Circuits</th>
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<td>2NC 1NO</td>
</tr>
</tbody>
</table>

www.idemsafty.com
Magnetic Non Contact Safety Interlock Switches

Plastic versions are specified to 80 C. but are designed to work up to 100 C. Stainless Steel versions are specified to 105 C. but are designed to work up to 125 C. All switches will operate with most EN 954-1 Cat.4 Safety Relays.

**EUROMAG Type: LPR**

**IDEMAG Type: SPR**

**HYGIEMAG Type: SMR**

**IDEMAG Type: CPR**

**IDEMAG Type: MPR**

Screw Cap Covers

Application:
IDEEM Magnetic Non Contact switches are designed to interlock hinge, sliding or removal guard doors. They are specifically advantageous when:

- a) poor guard alignment exists
- b) high hygiene requirements exist e.g. food industry hose down
- c) a long mechanical life is required (no moving or touching parts).

When used in combination with Dual Channel Safety Relays, Non Contact Switches can be used to provide up to EN954-1 Category 4.

Operation:
All IDEM Magnetic Non Contact Safety Switches are designed to conform to IEC 947-5-3 and be used as directed by EN1088, EN 292 and EN 60204-1. They have magnetic sensing which provides a wide (>12mm) sensing distance and provides a high tolerance to misalignment after sensing. They can be fitted behind stainless steel fittings and can operate from 4 directions even in extreme environments of temperature and moisture. They have high power switching capability (either 1A or 2A ac/dc) and can be used independently to switch low risk applications or when combined with a Safety Relay can achieve up to EN 954-1 Category 4.

Features:
- Magnetic High Power Switching up to 2A.
- Dual channel safety output 2NC (1NO optional)
- Wide switching distance up to 14mm
- High tolerance to guard misalignment
- Enclosure Protected to IP 67 - wash down suitable
- Conformance to IEC 947-5-3
- 6 enclosure types are available providing a choice of compact plastic or hygienic stainless steel housings or a larger traditional industry type plastic enclosure.
- Circuit configurations: 2NC or 2NC 1NO for use with most modern control circuits.
- High resistance to many organic and inorganic chemicals.
- Resistant to high temperature hosing or detergent washdown.

www.idemsafety.com
IDE MAG - Magnetic Non Contact - Type MPR

Magnetic Actuation  Switching Tolerance up to 12mm
Will operate with most EN 954-1 Cat.4 Safety Relays

Specified to 80°
but designed to work up to 100°

Plastic Housing

Compact yet robust fitting suitable for all small guard applications.
Can be mounted unobtrusively in channels or behind doors – left or right cable exit.
Hygienic screw cap covers ensure suitability for Food Processing washdown.
Cost effective interlock solution.
Wide sensing at 12mm and high tolerance to misalignment.
High current switching capability to 0.5A.
2NC 1NO circuits - up to EN 954-1 Cat.4 with Safety Relay.

Connection example – magnetic switches

Single switch connected to an SCR-2 or SCR-3 to give Dual Channel monitoring with Automatic Start. Optional auxiliary circuit provides for remote signalling from switch.

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Cable Length</th>
<th>Circuits</th>
</tr>
</thead>
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<td>MPR Cable Right</td>
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<td>2NC</td>
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<td>114003</td>
<td>MPR Cable Right</td>
<td>10M</td>
<td>2NC</td>
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<tr>
<td>114004</td>
<td>MPR Cable Left</td>
<td>QC-M12*</td>
<td>2NC</td>
</tr>
<tr>
<td>114005</td>
<td>MPR Cable Left</td>
<td>QC-M12*</td>
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*Other GQ sizes available on request

www.idemsafty.com
IDEMAG - Magnetic Non Contact - Type SPR

Magnetic Actuation - Power series Medium Duty versions 230V.ac / 24V.dc 1A.

Switching Tolerance up to 12mm Specified to 80°, but designed to work up to 100°

Will operate with most EN 954-1 Cat.4 Safety Relays

Universal fitting - established 22mm fixing footprint suitable for most general applications.

Withstands environments where high humidity or hose down is required.

Durable polyester housing.

Wide 12mm sensing – high tolerance to misalignment.

Long life high switching capability to 1A.

Can be used standalone for low risk applications or up to EN 954-1 Cat.4 with Safety Relay.

Connection example – magnetic switches

<table>
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</tbody>
</table>

www.idemsafety.com
**HYGIEMAG - Magnetic Non Contact - Type SMR**

**Magnetic Actuation - Power series**

- **Power series**
  - Medium Duty versions: 230V.ac / 24V.dc 1A.

**Switching Tolerance up to 12mm**

- Specified to 105C. but designed to work up to 125C.

Will operate with most EN 954-1 Cat.4 Safety Relays

Robust Stainless Steel 316 enclosure designed to survive the tough environments of Food and Pharmaceutical applications.

- Survives high pressure hosing at high temperature.
- High temperature specification 105C.

- Wide 12mm sensing. High tolerance to misalignment.

Universal fitting - established 22mm fixing footprint suitable for most general applications.

- Long life high switching capability to 1A.

- Up to EN 954-1 Cat.4 with safety relay or Cat.1 standalone.

---

**Application example – magnetic switches**

Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel monitoring with manual start and contactor feedback check.

Optional auxiliary circuits provide for remote signalling from each switch.

---

**Specifications**

- Standards: EN1088, IEC 947-5-3, EN 60204-1, EN 954-1, UL588
- Safety Channel 1 NC: Voltage: 250V ac; 1.0 A Max. Rating
- Safety Channel 2 NC: Voltage: 250V ac; 1.0 A Max. Rating
- Safety Channel 3 NO: Voltage: 250V ac; 0.2 A Max. Rating
- Fuse: Internal 1.3 A (F), External 0.8A (F)
- Contact release time: <2ms
- Initial contact resistance: <200 milliohms
- Minimum switched current: 10mA
- Dielectric withstand: 250V ac
- Insulation resistance: 100 Mohms
- Recommended setting gap: 5mm
- Switching distance: 5mm Close, 22mm Open
- Tolerance to misalignment: 5mm in any direction from 5mm setting gap
- Switching frequency: 1.0 Hz maximum
- Approach speed: 200mm/min. to 1000mm/min.
- Body Material: Stainless Steel 316
- Temperature Range: -25°C / 105°C
- Enclosure Protection: IP67
- Shock Resistance: IEC 68-2-27, 11ms, 30g
- Vibration Resistance: IEC 605-6-2, 10-55 Hz, 1mm
- Mechanical Life Expectancy: 10,000,000 switchings
- Electrical Life Expectancy: 1,000,000 switchings
- De-rating Safety Factor: 2
- Tested to 2,000,000 cycles at 24V, 0.2A.

**Cable Type**

- PVC 9 or B core, 5mm O.D.
- Tightening torque: 1.0 Nm
- Mounting Position: Any

<table>
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<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Cable Length</th>
<th>Circuits</th>
</tr>
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</table>

www.idemsafty.com
EUROMAG - Magnetic Non Contact - Type LPR

Magnetic Actuation - Power series     Medium Duty versions    230V.ac / 24V.dc 1A.

Switching Tolerance up to 12mm      Specified to 80°, but designed to work up to 100°

Popular European fitting suitable for all industry applications.
Wide 12mm sensing – high tolerance to misalignment
Narrow fitting for flush mounting
Unique Long Life High Power switching capability up to 1A.
Can be used standalone for low risk applications or up to EN 954-1 Cat.4 with Safety Relay.

Will operate with most EN 954-1 Cat.4 Safety Relays

Plastic Housing

Application example – magnetic switches

Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel monitoring with auto start and contactor feedback check. Optional auxiliary circuits provide for remote signalling from each switch.

Standards
EN1088  IEC 597-5-3  EN 60204-1
EN 954-1  UL508
Safety Channel 1 NC    Voltage free :  250V.ac  1.0 A  Max. Rating
Safety Channel 2 NC    Voltage free :  250V.ac  1.0 A  Max. Rating
Safety Channel 3 NO    Voltage free :  24V dc  0.2 A  Max. Rating
                Internal 1.0 A  F  External 0.8 A  F
Fuse                <2ms
Contact release time
Initial contact resistance <500 mΩ/Ω
Minimum switched current 10 V  cc. 1mA
Dielectric withstand 250V ac
Insulation Resistance 100 Mohms
Recommended setting gap 5mm
Switching Distance:  (Target to target)
Sao 16mm Close
Ser 22mm Open
Tolerance to misalignment
Switching frequency 1.0 Hz  maximum
Approach speed 200mm/min. to 1000mm/s.
Body Material  Red Polyester
Temperature Range -25 / 80°C.
Enclosure Protection IP67
Shock Resistance IEC 68-2-27 11ms  30g
Vibration Resistance IEC 68-2-6 10-55 Hz. 1mm
Mechanical Life Expectancy 10,000,000 switchings
Electrical Life Expectancy 1,000,000 switchings
De-rating Safety Factor 2
Cable Type  PVC 6 or 8 core 6mm O.D.
Mounting Bolts  2 x M4  Tightening torque 1.0 Nm
Mounting Position Any

Sales Number  Type  Cable Length  Circuits
110009  Euromag LPR  2M  2NC
110010  Euromag LPR  5M  2NC
110011  Euromag LPR  10M  2NC
110012  Euromag LPR  QC-M12  2NC
110013  Euromag LPR  2M  2NC  N0
110014  Euromag LPR  5M  2NC  N0
110015  Euromag LPR  10M  2NC  N0
110016  Euromag LPR  QC-M12  2NC  N0

www.idemsafty.com
**IDE MAG - Magnetic Non Contact - Type CPR**

**Magnetic Actuation - Power series**

**Heavy Duty 230V.ac / 24V.dc 2.0A. or Medium Duty version 1.0A.**

**Switching Tolerance up to 14mm**

*Specified to 80°*, but designed to work up to *100°*

Will operate with most EN 954-1 Cat.4 Safety Relays

**Plastic Housing**

**Applicaiton example – magnetic switches**

**24V dc**

One switch connected to an SCR-2 or SCR-3 to give Single Channel Guard monitoring but with monitored manual start and contactor feedback check. Allows minimal wiring but higher current switching to K1 and K2 contactors.

**Standards**

EN1088 IEC 947-6-3 EN 60204-1

EN 954-1 UL508

**Heavy Duty**

- Safety Channel 1 NC: Voltage free: 250V.ac 2.0 A Max. Rating
- Safety Channel 2 NC: Voltage free: 250V.ac 2.0 A Max. Rating
- Safety Channel 3 NO: Voltage free: 250V.ac 0.5 A Max. Rating
- Fuse: Internal 2.0 A (F) External 1.6 A (User)

**Medium Duty**

- Safety Channel 1 NC: Voltage free: 250V.ac 1.0 A Max. Rating
- Safety Channel 2 NC: Voltage free: 250V.ac 1.0 A Max. Rating
- Safety Channel 3 NO: Voltage free: 250V.ac 0.5 A Max. Rating
- Fuse: Internal 1.0 A (F) External 0.6 A (User)

**Contact release time**<br>Initial contact resistance: <500 milliomh

**Dielectric withstand**250V.ac

**Setting gap**5mm

**Switching distance:**

- 3.5 mm Close
- 5.5 mm Open

**Misalignment tolerance**5mm in any direction from 5mm setting gap

**Switching frequency** 1.0 Hz maximum

**Approach speed** 200mm/min. to 1000mm/s.

**Body Material**

Red Polyester

**Temperature Range** -25 / 80°C

**Endurance Protection** IP67

**Shock Resistance**

IEC 68-2-27 11ms 30g

**Vibration Resistance**

IEC 68-2-6 10-55 Hz 1mm

**Mechanical Life**

10,000,000 switching.

**Electrical Life Expectancy**

1,000,000 switching.

**De-rating Safety Factor 2**

Tested to 2,000,000 switchings at 24V, 200mA

**Cable Type**

PVC 6 or 2 core 6mm O.D. max.

**Mounting Bolts**

2 x M6

**Tightening torque 1.6 Nm**

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[www.idemsafety.com](http://www.idemsafety.com)
IDE MAG - Magnetic Non Contact - Type WPR

Magnetic Actuation - Power series  Heavy Duty version  230V.ac 2.0A. / 24V.dc 2.0A.

Switching Tolerance up to 14mm  Specified to 80°, but designed to work up to 100°

Robust wide fitting suitable for all industry applications.
Industry standard fixings
Wide 14mm sensing high tolerance to misalignment.
High switching capability - Medium Duty 1A. Heavy Duty 2A.
Can be used as standalone switch for low risk applications or up to EN 954-1 Cat.4 with safety relay.

Will operate with most EN 954-1 Cat.4 Safety Relays

Plastic Housing

Application example – magnetic switches

24V dc

Three switches connected in series to an SCR-2 or SCR-3 to give Single Channel Guard monitoring but with monitored manual start and contactor feedback check. Allows minimal wiring but higher current switching to K1 and K2 contactors.