



Powering Business Worldwide

12/22 IL053002ZU

Instruction Leaflet  
Montageanweisung  
Notice d'installation  
Instrucciones de montaje  
Istruzioni per il montaggio  
安裝說明  
Инструкция по монтажу

Montagehandleiding  
Montagevejledning  
Οδηγίες εγκατάστασης  
Instruções de montagem  
Monteringsanvisning  
Asennusohje  
Návod k montáži

Paigaldusjuhend  
Szerelési utasítás  
Montážas instrukcija  
Montavimo instrukcija  
Instrukcja montażu  
Navodila za montažo  
Návod na montáž

Монтажни инструкции  
Instruțiuni de montaj  
Upute za montažu  
Montaj talimati  
Упутство за употребу  
Monteringsanvisning  
Інструкція з монтажу  
منشور التعليمات

**(en) Electric current! Danger to life!**  
Installation, commissioning and maintenance work must be carried out by qualified personnel only.

**(de) Lebensgefahr durch elektrischen Strom!**  
Arbeiten bzw. Montage an diesem Produkt dürfen nur von Elektrofachkräften und elektrotechnisch unterwiesenen Personen ausgeführt werden.

**(fr) Tension électrique dangereuse !**  
L'installation de l'appareil, ainsi que tous les travaux effectués sur celui-ci, doivent être réalisés par un électricien qualifié ou par un personnel spécialement formé.

**(es) ¡Corriente eléctrica! ¡Peligro de muerte!**  
La instalación del dispositivo, así como todos los trabajos en él, deben ser realizados por un electricista calificado o por personal especialmente capacitado.

**(it) Tensione elettrica: Pericolo di morte!**  
L'installazione e il lavoro sul dispositivo devono essere effettuati da un elettricista qualificato o da personale specializzato.

**(zh) 触电危险!**  
設備的安裝，以及所有工作，必須由合格的電工或經過專門培訓的人員完成。

**(ru) Электрический ток! Опасно для жизни!**  
Установка и эксплуатация устройства должны выполняться квалифицированным электриком или специально обученным персоналом.

**(nl) Levensgevaar door elektrische stroom!**  
Installatie van het apparaat en alle werkzaamheden eraan, mogen uitsluitend door een gekwalificeerd elektricien of speciaal opgeleid vakpersoneel worden uitgevoerd.

**(da) Livsfare på grund af elektrisk strøm!**  
Arbejde i forbindelse med installation, opstart og vedligehold må kun udføres af kvalificeret personale.

**(el) Προσοχή, κίνδυνος ηλεκτροπληξίας!**  
Η εγκατάσταση, εκκίνηση και συντήρηση θα πρέπει να πραγματοποιείται μόνο από εξειδικευμένο προσωπικό.

**(pt) Perigo de vida devido a corrente eléctrica!**  
A instalação do dispositivo, bem como todos os trabalhos devem ser realizados por um electricista qualificado ou por pessoal especialmente formado.

**(sv) Livsfara genom elektrisk ström!**  
Installation, idrifttagande och underhållsarbete får endast utföras av behörig personal.

**(fi) Hengenvaarallinen jännite!**  
Laitteen asennus ja käyttö ainoastaan sähköasentajan tai siihen perehdytetyn henkilön toimesta.

**(cs) Nebezpečí úrazu elektrickým proudem!**  
Instalace zařízení a veškeré práce na něm musí být provedeny kvalifikovaným elektrikářem nebo speciálně vyškoleným personálem.

**(et) Eluotlik! Elektrilöögioht!**  
Paigaldus-, kasutus- ja hooldustööd peab läbi viima ainult kvalifitseeritud personal.

**(hu) Életveszély az elektromos áram révén!**  
Az eszköz felszerelését, valamint az ehhez kapcsolódó összes munkát szakképzett villanyszerelővel vagy szakképzett személyzetnek kell elvégeznie.

**(lv) Elektriskā strāva apdraud dzīvību!**  
Uzstādīšana, nodošana ekspluatācijā un apkopes darbi jāveic tikai kvalificētam personālam.

**(lt) Pavojus gyvybei dėl elektros srovės!**  
Įrengimo, paleidimo ir techninės priežiūros darbus turi atlikti tik kvalifikuotas personalas.

**(pl) Porażenie prądem elektrycznym stanowi zagrożenie dla życia!**  
Instalacja urządzenia, jak również prace nad nim, muszą być wykonywane przez wykwalifikowanego elektryka lub specjalnie wyszkoloną personel.

**(sl) Življenjska nevarnost zaradi električnega toka!**  
Dela montaže, zagona in vzdrževanja morajo izvajati samo usposobljeno osebe.

**(sk) Nebezpečnost ohrozenia života elektrickým prúdom!**  
Inštalácia prístroja, ako aj všetky práce na ňom musia byť vykonané kvalifikovaným elektrotechnikom alebo špeciálne vyškoleným personálom.

**(bg) Опасност за живота от електрически ток!**  
Инсталирането на устройството, както и всяка работа по него, трябва да бъде извършвано от квалифициран електротехник или от специално обучен персонал.

**(ro) Atenție! Pericol electric!**  
Montajul și lucrul cu acest aparat trebuie făcute numai de un electrician calificat sau de personal tehnic specializat.

**(hr) Opasnost po život uslijed električne struje!**  
Radove ugradnje, puštanja u pogon i održavanja mora vršiti samo kvalificirano osoblje.

**(tr) Elektrik akımı! Hayati tehlike!**  
Bu ürünün çalıştırılması veya kurulumu sadece elektroteknik eğitimleri almış olan ehliyetli elektrikçiler ve kişiler tarafından yapılmalıdır.

**(sr) Električna struja! Opasnost po život!**  
Arbeiten bzw. Montage und diessem Produkt darf od Elektrofaçhkräften und elektrotechniscx unterwiesenen Personen ausgeführt werden.

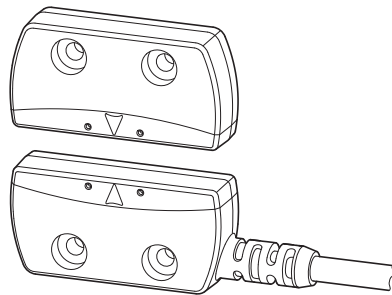
**(no) Elektrisk strøm! Livsfare!**  
Installasjon av enheten, samt arbeid på den, skal kun utføres av kvalifisert personell, eller av de som er spesielt opplært til dette arbeidet.

**(uk) Электричний струм! Небезпечно для життя!**  
Встановлення пристрою, так само, як і робота з ним, повинні виконуватись кваліфікованим електриком або персоналом, що пройшов спеціальну підготовку.

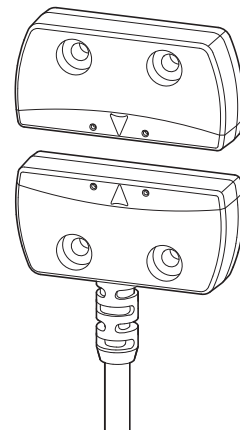
**(ar) تحذير! تيار كهربائي! خطر موت الشبيبة والتكليف وأعمال الصيانة يجب أن تقام فقط من طرف الموظفين المؤهلين**

RS2-..., RS2R-..., RS4-...

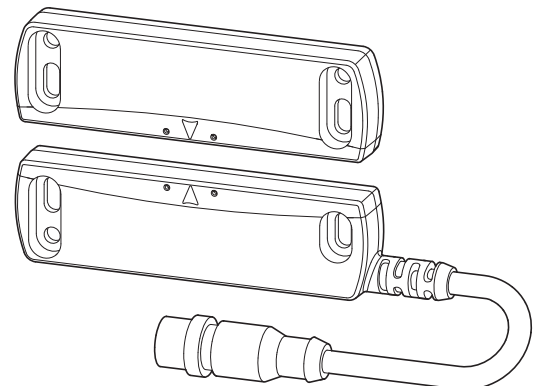
RS2-...



RS2R-...

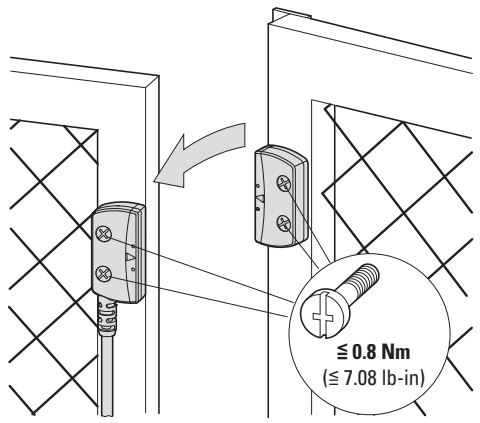
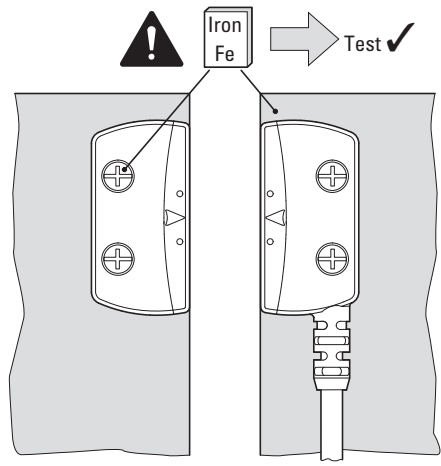
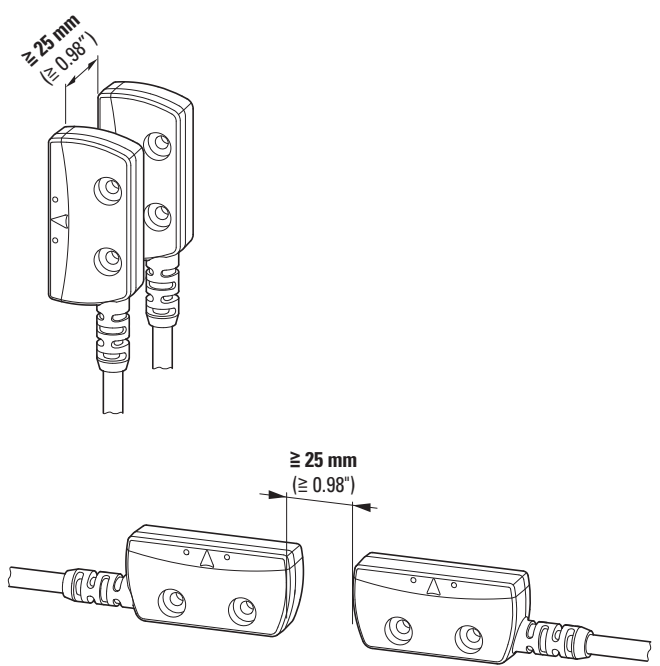
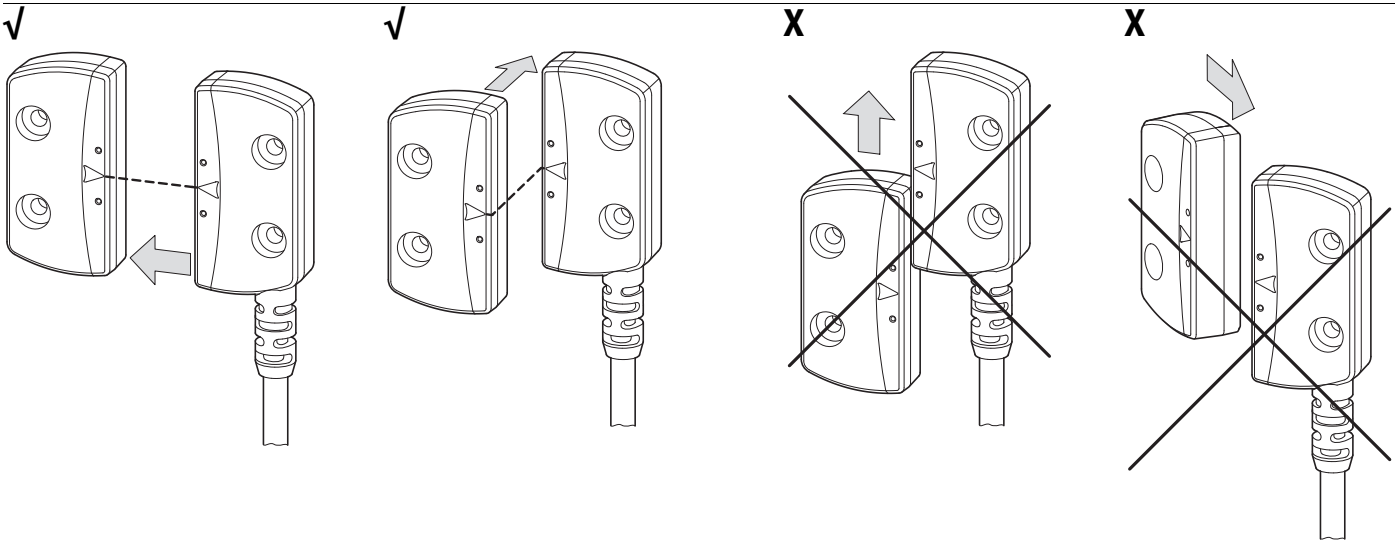


RS4-...



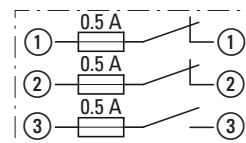
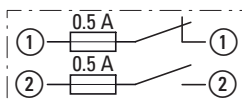
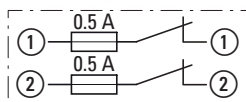
→ **PU05907001Z...**  
Eaton Safety Manual  
**CA08100008E**  
ERSR5, easySafety, SmartWire-DT™

en <b>Mounting</b>	it <b>Montaggio</b>	da <b>Montering</b>	fi <b>Asennus</b>	lv <b>Montāža</b>	sk <b>Montáž</b>	tr <b>Montaj</b>
de <b>Montage</b>	zh <b>安装</b>	el <b>Τοποθέτηση</b>	cs <b>Montáž</b>	lt <b>Montavimas</b>	bg <b>Монтаж</b>	sr <b>Монтирање</b>
fr <b>Montage</b>	ru <b>Монтаж</b>	pt <b>Montagem</b>	et <b>Paigaldamine</b>	pl <b>Montaż</b>	ro <b>Montarea</b>	no <b>Montering</b>
es <b>Montaje</b>	nl <b>Montering</b>	sv <b>Montering</b>	hu <b>Felszerelés</b>	sl <b>Montaža</b>	hr <b>Montaža</b>	uk <b>Монтаж</b>
						ar <b>التركيب</b>

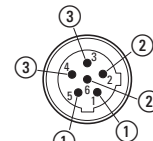
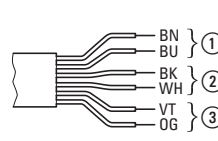
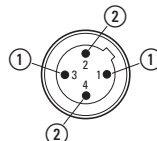
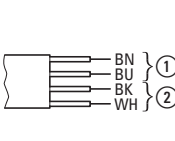
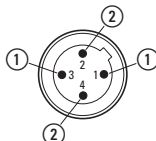
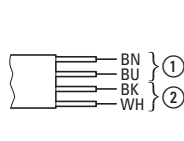


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**300 mA,  
24 V DC,  
DC<sub>13</sub>**



**Actuator included**



**22 AWG, 0.8 mm**

**22 AWG, 0.8 mm**

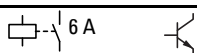
**22 AWG, 0.8 mm**

Actuator	RS2	RS2R	RS4
3 m (9.85 ft)	RS2-02-C3	RS2R-02-C3	RS4-02-Q4
150 mm (5.91")	RS2-02-Q4	RS2R-02-Q4	RS4-02-Q4
3 m (9.85 ft)	RS2-11-C3	RS2R-11-C3	RS4-11-Q4
150 mm (5.91")	RS2-11-Q4	RS2R-11-Q4	RS4-11-Q4
3 m (9.85 ft)	RS2-12-C3	RS2R-12-C3	RS4-12-Q6
150 mm (5.91")	RS2-12-Q6	RS2R-12-Q6	RS4-12-Q6

en	de	fr	es	it	zh	ru	nl	da	el	pt	sv	fi	cs	et	hu	lv	lt	pl	sl	sk	bg	ro	hr	tr	sr	no	uk	ar
Recommended Logic Interfaces	Empfohlene Logikanschlüsse	Modules logiques recommandés	Interfaces lógicas recomendadas	Interfacce logiche consigliate	推荐逻辑接口	Рекомендованные логические интерфейсы	Aanbevolen logische interfaces	Anbefalede logiske interfaces	Συνιστώμενες λογικές διεπαφές	Interfaces Lógicas Recomendadas	Rekommenderat logiskt gränssnitt	Suosittelut logiikan liitännät	Doporučená logická rozhraní	Soovitavad loogikaliidesed	Javasolt logikai interfészek	Rekomendētās loģiskās saskarnes	Rekomenduojamos loginės sąsajos	Zalecane interfejsy logiczne	Priporočeni logični vmesniki	Odporúčané logické rozhrania	Препоръчителен логически интерфейс	Interfețe Logice Recomandate	Preporučena logička sučelja	Önerilen Mantık Arayüzleri	Препоручени логички интерфејси	Anbefalte Logic-grensesnitt	Рекомендовані логічні інтерфейси	الواجهات المنطقية الموصى بها

	I (IN)	Q (OUT)	U
<b>ESR5</b>			
ESR5-NV3-30	2	2 + 2	24 V DC
ESR5-NO-31-UC	2	3	24 V - 230 V AC/DC

**easySafety**



ES4P-221-DMXX1	14	1	4	24 V DC
ES4P-221-DMXD1	14	1	4	24 V DC
ES4P-221-DRXX1	14	4	-	24 V DC
ES4P-221-DRXD1	14	4	-	24 V DC

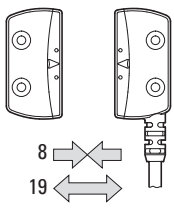
**easySafety** → **IL05013002Z**  
Eaton.com/documentation

L			
	CSDS4A4CY2202	2 m (6.56 ft)	4 pin
	CSDS4A4CY2205	5 m (16.4 ft)	4 pin
	CSDS4A4CY2210	10 m (32.81 ft)	4 pin
	CSDS4A4CY2220	20 m (65.62 ft)	4 pin

L			
	CSAS6A6CY2203	3 m (9.85 ft)	6 pin
	CSAS6A6CY2205	5 m (16.4 ft)	6 pin
	CSAS6A6CY2210	10 m (32.81 ft)	6 pin

en	de	fr	es	it	zh	ru	nl	da	el	pl	sv	fi	cs	et	hu	lv	lt	pl	sl	sk	bg	ro	hr	tr	sr	no	uk	ar		
Technical data	Technische Daten	Caractéristiques techniques	Características técnicas	Dati tecnici	技术数据	Технические характеристики	Technische gegevens	Tekniske data	Τεχνικά χαρακτηριστικά	Características técnicas	Tekniska data	Tekniset tiedot	Technické údaje	Tehnilised andmed	Műszaki adatok	Tehniskie dati	Techniniai duomenys	Dane techniczne	Tehnični podatki	Technické údaje	Технически данни	Date tehnice	Tehnički podaci	Teknik Veriler	Технички подаци	Tekniske data	Технічні характеристики	البيانات الفنية		
																					IEC 61508	Up to SIL 3	ISO-13849-1	Up to PLe	ISO20653	IP69K, IP67	CULUS	UL508 Type 1, CSA22.2-no.14	B10d	20 000 000

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8 mm/19 mm  
0.31"/0.75"



30 g, 11 ms, 1/2 Sine  
1 mm (0.04"), 0 - 2 000 Hz



30 A/m



3 ms



≅ 6 months

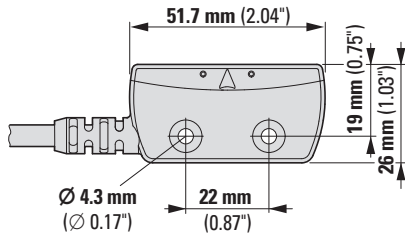


-10 °C - 55 °C  
14 °F - 131 °F

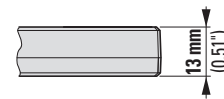


90 % @ 55 °C  
90 % @ 131 °F

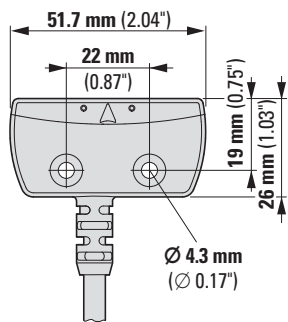
RS2-...



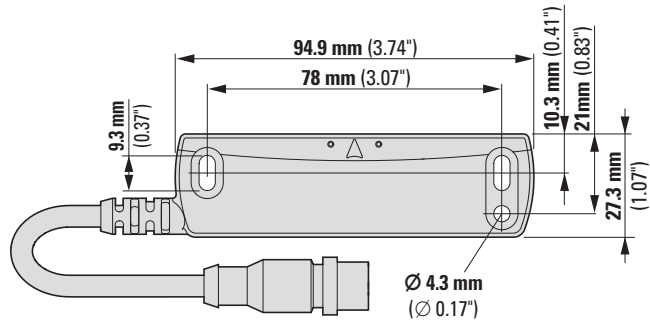
RS2-..., RS2R-..., RS4-..., RS2-A, RS4-A



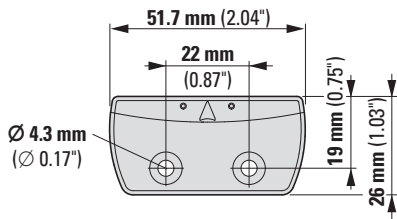
RS2R-...



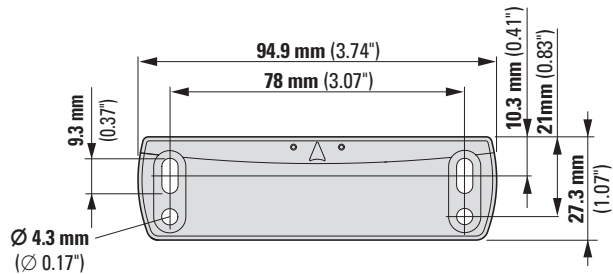
RS4-...



RS2-A



RS4-A



RS2-A, RS4-A

- **en** Actuator included as standard  
**de** Aktor im Lieferumfang enthalten  
**fr** Actionneur fourni  
**es** Incluir accionador en el suministro  
**it** Attuatore in dotazione  
**zh** 执行机构包含在供货范围内  
**ru** Исполнительный элемент входит в комплект поставки  
**nl** Actor meegeleverd  
**da** Aktor medfølger ved levering.  
**el** Ο ενεργοποιητής περιλαμβάνεται στον παραδιδόμενο εξοπλισμό

- **pt** Atuador incluído no material fornecido  
**sv** Aktuator ingår i leveransen  
**fi** Toimilaitte sisältyy vakiona toimitukseen  
**cs** Akční člen je součástí dodávky  
**et** Aktivaator kuulub tarnekomplekti  
**hu** A szállítási terjedelem magában foglalja a működtetőt is  
**lv** Aktuators iekļauts piegādes komplektā  
**it** Vykliklis komplektacijoje yra  
**pl** Urządzenie wykonawcze w zakresie dostawy.  
**sl** Aktivator je del dobavnega obsega

- **sk** Akčná jednotka je súčasťou dodávky  
**bg** Задвижващият механизъм е включен в обхвата на доставката  
**ro** Actuatorul este inclus în volumul livrării  
**hr** Aktuator je dio isporuke  
**tr** Aktüatör standart olarak dahildir.  
**sr** Aktuator je uključen kao standard.  
**no** Aktuator inkludert som standard  
**uk** Пускач входить у стандартну комплектацію.  
**ar** المشغل مضمن في المنتج القياسي

12/22 IL05300ZU

# EU Declaration of Conformity

We, Eaton Corporation  
 W126N7250 Flint Drive  
 Menomonee Falls, WI 53051  
 USA

declare under our sole responsibility as the manufacturer of product, that

## Non-Contact Door Switches (RS2, RS4) types within the range on page 2

provided that it is installed, maintained and used in the application intended for, with respect to the relevant manufacturer's instructions, installation standards and "good engineering practices"

complies with the provisions of Union harmonization legislation:

- 2014/35/EU LVD - Low Voltage Directive
- 2006/42/EC MD - Machinery Directive
- 2011/65/EU RoHS - Restriction of Hazardous Substances Directive

based on compliance with European standard(s):

**EN IEC 60947-5-2:2020** - Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches

**EN 60947-5-3:2013** - Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements- Requirements for proximity devices with defined behavior under fault conditions( PDDB )

**EN 62061:2005-04 + A1:2013-02 + AC:2010-02 + A2:2015-08** - Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems

**EN IEC 63000:2018**- Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Revision: 05  
 August 19, 2022



X

Jake Larkin  
 Engineering Central Services Manager  
 Signed by: 2a3a39ab-af60-43b4-b7f6-23d2abe5e3d



# Types within the range

The declaration of conformity applies to the following types within the product family:

- RS2-01-C3
- RS2-02-C10
- RS2-02-C3
- RS2-02-Q4
- RS2-02-Q4-SWD\*
- RS2-10-C3
- RS2-11-C10
- RS2-11-C3
- RS2-11-Q4
- RS2-11-Q4-SWD\*
- RS2-12-C10
- RS2-12-C3
- RS2-12-O6
- RS2R-02-C10
- RS2R-02-C3
- RS2R-02-Q4
- RS2R-02-Q4-SWD\*
- RS2R-11-C10
- RS2R-11-C3
- RS2R-11-Q4
- RS2R-11-Q4-SWD\*
- RS2R-12-C10
- RS2R-12-C3
- RS2R-12-O6
- RS4-02-Q4
- RS4-02-Q4-SWD\*
- RS4-12-O6
- RS2-A RS4-A

--End of list --

\*These models conform only to EMC & RoHS Directives, not for safety applications





## Types within the range

The declaration of conformity applies to the following types within the product family and in combination with products listed below:

- RS2-01-C3
- RS2-02-C10
- RS2-02-C3
- RS2-02-Q4
- RS2-02-Q4-SWD\*
- RS2-10-C3
- RS2-11-C10
- RS2-11-C3
- RS2-11-Q4
- RS2-11-Q4-SWD\*
- RS2-12-C10
- RS2-12-C3
- RS2-12-Q6
- RS2R-02-C10
- RS2R-02-C3
- RS2R-02-Q4
- RS2R-02-Q4-SWD\*
- RS2R-11-C10
- RS2R-11-C3
- RS2R-11-Q4
- RS2R-11-Q4-SWD\*
- RS2R-12-C10
- RS2R-12-C3
- RS2R-12-Q6
- RS4-02-Q4
- RS4-02-Q4-SWD\*
- RS4-12-Q6
- RS4-A
- RS4-A
- End of list --

\*These models conform only to EMC & RoHS Directives, not for safety applications



## Declaration of conformity

We, **Eaton Corporation**  
 W126N7250 Flint Drive  
 Menomonee Falls, WI 53051  
 USA

declare under our sole responsibility as manufacturer that the product (family)

### Non-Contact Door Switches (RS2, RS4)

according to the list on page 2 and provided that it is installed, maintained and used in the application intended for, with respect to the relevant manufacturer's instructions, installation standards and "good engineering practices", complies with the statutory requirements:

- 2012 No. 3032 Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations
- 2016 No. 1091 Electromagnetic Compatibility Regulations 2016
- 2008 No. 1597 Supply of Machinery (Safety) Regulations 2008

based on compliance with the following standard(s):

- EN IEC 60947-5-2:2020** Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches
- EN 60947-5-3:2013** Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDB)
- EN 62061:2005-04 + A1:2013-02 + AC:2010-02 + A2:2015-08** Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems
- EN IEC 63000:2018** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

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X *Jake Laikin*

Jake Laikin  
 Engineering Central Services Manager  
 Signed by: 2a3a39ab-af60-43b4-b7f8-23d2abe53e3d

