Powering Business Worldwide

12/22 IL053002ZU

Instruction Leaflet | **Montagehandleiding** | **Paigaldusjuhend** | **Монтажни инструкции**
Montageanweisung | **Montagevejledning** | **Szerelési utasítás** | **Instrucțiuni de montaj**
Notice d'installation | **Οδηγίες εγκατάστασης** | **Montāžas instrukcija** | **Upute za montažu**
Instrucciones de montaje | **Instruções de montagem** | **Montavimo instrukcija** | **Montaj talimatı**
Istruzioni per il montaggio | **Monteringsanvisning** | **Instrukcja montażu** | **Упутство за употребу**
安装说明 | **Asennusohje** | **Navodila za montažo** | **Monteringsanvisning**
Инструкция по монтажу | **Návod k montáži** | **Návod na montáž** | **Інструкція з монтажу**
منشـــور التعليمـــات

(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 ogvedligehold 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 eletricista 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) **Eluohtlik! Elektrilöögioht!**
Paigaldus-, kasutus- ja hooldustöid 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 wyszkolony personel.

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

(sk) **Nebezpečenstvo 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 şi 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) **Електрична струја! Опасност по живот!**
Арбеитен бзв. Монтажа и диесем Продукт дарф од Електрофацхкрафтен унд електротецхнисцх унтервиесенен Персонен аусгефухрт верден.

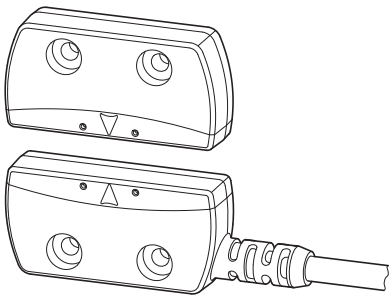
(no) **Elektrisk strøm! Livsfare!**
Installasjon av enheten, samt arbeid på den, skal kun utføres av kvalifisert personell, eller av de som er spesielt opplært til dette arbeidet.

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

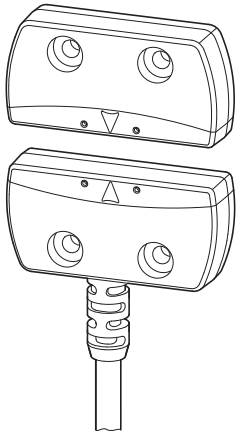
(ar) **! تحـذير ! تيـار كهربـائي ! خطـر مـوت**
التثبيـــت والتكليـــف و أعمـــال الصـيانة يجـب أن تقـام فقـط مـن طـرف المـــوظفين المـــؤهلين

RS2-…, RS2R-…, RS4-…

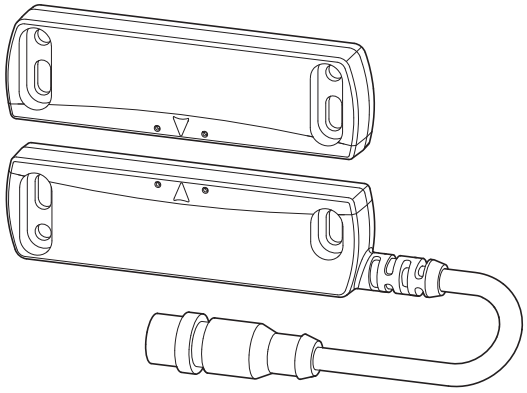
RS2-…



RS2R-…



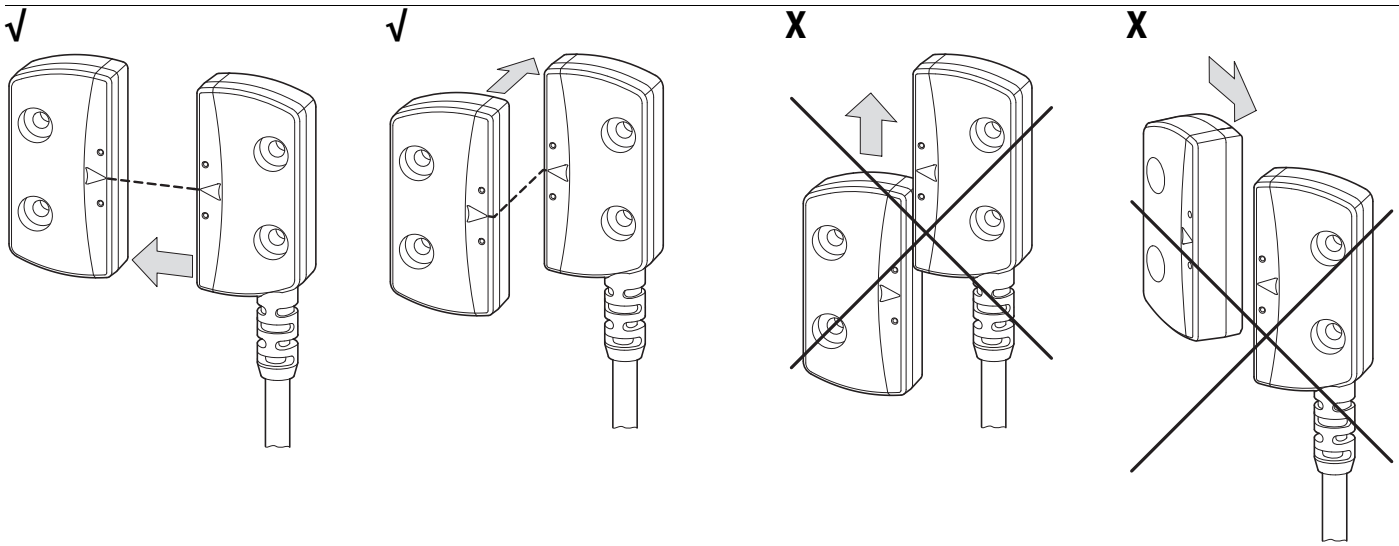
RS4-…

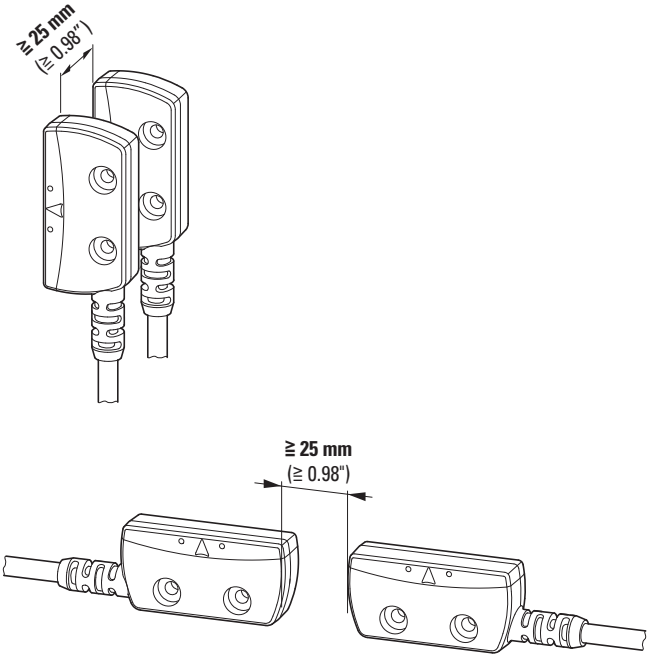


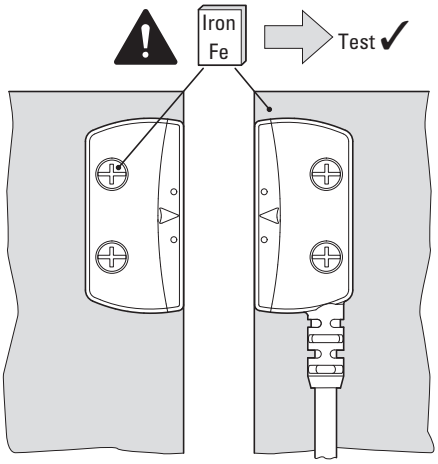
PU05907001Z…
Eaton Safety Manual

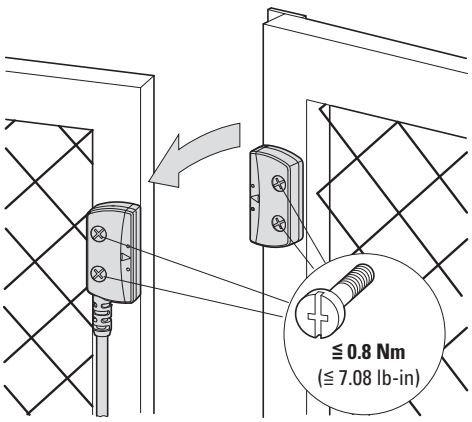
CA08100008E
ERSR5, easySafety, SmartWire-DT™

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



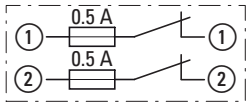


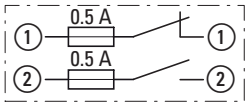


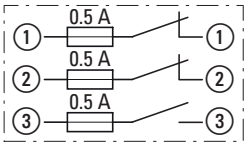


12/22 IL053002ZU

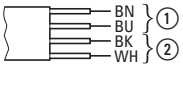
300 mA, 24 V DC, DC_{13}

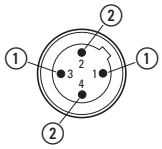




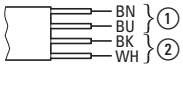


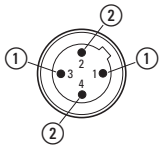
Actuator included



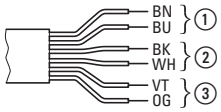


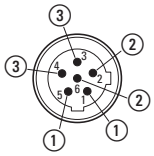
22 AWG, 0.8 mm



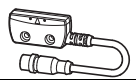
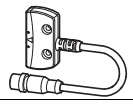
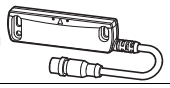


22 AWG, 0.8 mm





22 AWG, 0.8 mm

RS2 **3 m** (9.85 ft)		RS2-02-C3	–	RS2-11-C3	–	RS2-12-C3	–
150 mm (5.91“)		–	RS2-02-Q4	–	RS2-11-Q4	–	RS2-12-Q6
RS2R **3 m** (9.85 ft)		RS2R-02-C3	–	RS2R-11-C3	–	RS2R-12-C3	–
150 mm (5.91“)		–	RS2R-02-Q4	–	RS2R-11-Q4	–	RS2R-12-Q6
RS4 **150 mm** (5.91“)		–	RS4-02-Q4	–	–	–	RS4-12-Q6

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

		I (IN)	Q (OUT)		U
ESR5 	ESR5-NV3-30	2	2 + 2		24 V DC
	ESR5-NO-31-UC	2	3		24 V - 230 V AC/DC
easySafety 			6 A		
	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 → IL **IL05013002Z**
Eaton.com/documentation

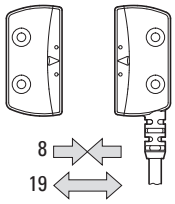
		L	
L 	CSDS4A4CY2202	**2 m** (6.56 ft)	4 pin
	CSDS4A4CY2205	**5 m** (16.4 ft)	4 pin
	CSDS4A4CY2210	**10 m** (32.81 ft)	4 pin
	CSDS4A4CY2220	**20 m** (65.62 ft)	4 pin

	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) **Technical data**
(de) **Technische Daten**
(fr) **Caractéristiques techniques**
(es) **Características técnicas**
(it) **Dati tecnici**
(zh) **技术数据**
(ru) **Технические характеристики**
(nl) **Technische gegevens**
(da) **Tekniske data**
(el) **Τεχνικά χαρακτηριστικά**
(pt) **Características técnicas**
(sv) **Tekniska data**
(fi) **Tekniset tiedot**
(cs) **Technické údaje**
(et) **Tehnilised andmed**
(hu) **Műszaki adatok**
(lv) **Tehniskie dati**
(lt) **Techniniai duomenys**
(pl) **Dane techniczne**
(sl) **Tehnični podatki**
(sk) **Technické údaje**
(bg) **Технически данни**
(ro) **Date tehnice**
(hr) **Tehnički podaci**
(tr) **Teknik Veriler**
(sr) **Технички подаци**
(no) **Tekniske data**
(uk) **Технічні характеристики**
(ar) **البيانـــات الفنيـــة**

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

12/22 IL053002ZU



8 mm/19 mm
0.31“/0.75“

-10 °C - 55 °C
14 °F - 131 °F

90 % @ 55 °C
90 % @ 131 °F

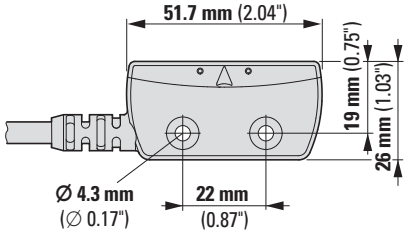
30 g, 11 ms, 1/2 Sine
1 mm (0.04“), 0 - 2 000 Hz

30 A/m

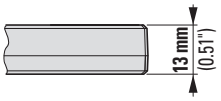
3 ms

≦ 6 months

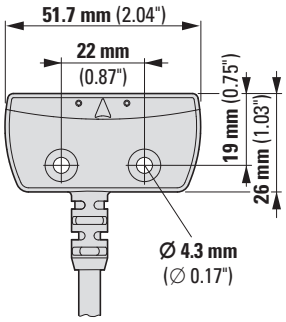
RS2-…



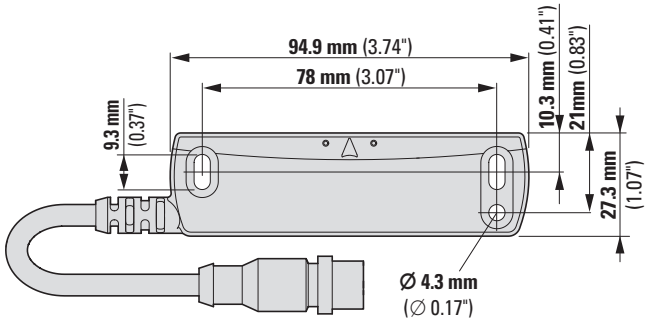
RS2-…, RS2R-…, RS4-…, RS2-A, RS4-A



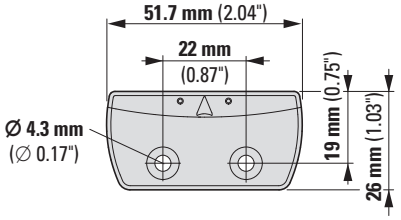
RS2R-…



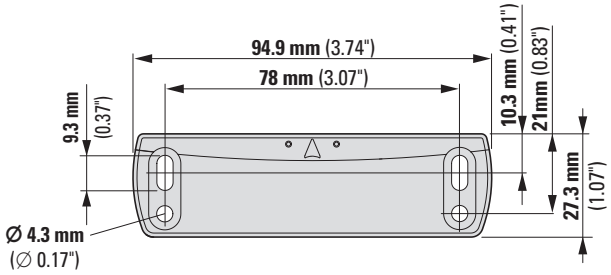
RS4-…



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 suminstro
(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) **Toimilaite** 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
(lt) **Vykdiklis** 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) **Актуатор** је укључен као стандард.
(no) **Aktuator** inkludert som standard
(uk) **Пускач** входить у стандартну комплектацію.
(ar) المشـــغل مضـــمن فـــي المنتـــج القياســـي

12/22 IL053002ZU

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

Recoverable Signature

X

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

Powering Business Worldwide

L202-L2028-1_CE

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-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
RS2-A RS4-A

--End of list --

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

Powering Business Worldwide

L202-L2028-1_UKCA

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

Revision: 01
August 16, 2022

Recoverable Signature

X

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

Powering Business Worldwide

L202-L2028-1_UKCA

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
RS2-A
RS4-A
--End of list --

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

Powering Business Worldwide

USA: Eaton Corporation, W126 N7250 Flint Drive, Menomonee Falls, WI 53051, USA
EU: Eaton Industries GmbH, Hein-Moeller-Straße 7-11, 53115 Bonn, Germany
UK: Eaton Electric Ltd., P.O. Box 554, Abbey Park, Southampton Road, Titchfield, PO14 4QA, UK
MA: اتون الكترك تقسيم ابنال 6, شارع سقرآط, معاريف امتداد, طابق 1, الرمال الريدي 20370, الدار البيضاء, المغرب

USA:
Eaton.com/eatoncare
+1 877-386-2273

Eaton.com/contacts
Eaton.com/aftersales

Eaton.com/documentation

Eaton.com/sensors
+1 800-426-9184

Eaton.com/recycling

Publication No. IL053002ZU December 2022

Eaton is a registered trademark of Eaton Corporation. All other trademarks are property of their respective owners.
© 2014 Eaton Corporation