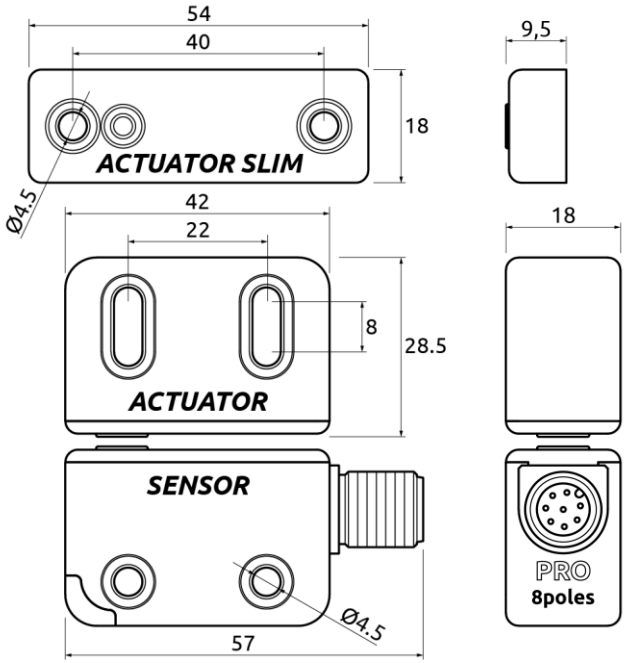


(I) CONTENUTO IMBALLO
Sensore | Attuatore |
Sensore+Attuatore RSafe.
Tappi di sicurezza.
Guida di installazione.

(EN) PACKAGE CONTENTS
RSafe Sensor | Actuator |
Sensor+Actuator.
Safety caps.
Quick installation guide.

(FR) CONTENUE DE L'EMBALLAGE
Capteur | Actuateur |
Capteur+Actuateur RSafe.
Caps de sécurité.
Guide d'installation.

(D) PACKUNGSINHALT
RSafe-Sensor | Aktuator |
Sensor+Aktuator.
Sicherheitskappen.
Installationsanleitung.

(E) CONTENIDO DEL L'EMBALAJE
Sensor | Actuador |
Sensor+Actuador RSafe.
Tapones de seguridad.
Guida de instalación.

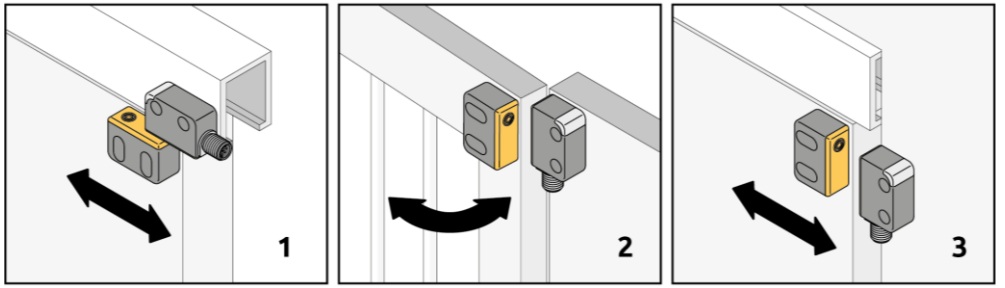
(I)	Per installare e utilizzare in modo corretto e sicuro il sensore RSafe, è NECESSARIO consultare il manuale contenuto all'URL:
(EN)	To guarantee a correct and safe installation and operation of the RSafe sensor, it is MANDATORY to consult the user manual contained at URL:
(FR)	Pour installer et utiliser correctement et en sécurité le capteur RSafe, il est NECESSAIRE de consulter le manuel d'instruction, contenu à l'URL:
(D)	Um den RSafe-Sensor korrekt und sicher zu installieren und zu verwenden, MÜSSEN Sie das Handbuch unter der URL konsultieren:
(E)	Para instalar y utilizar el sensor RSafe de forma correcta y segura, DEBE consultar el manual que se encuentra en la URL:

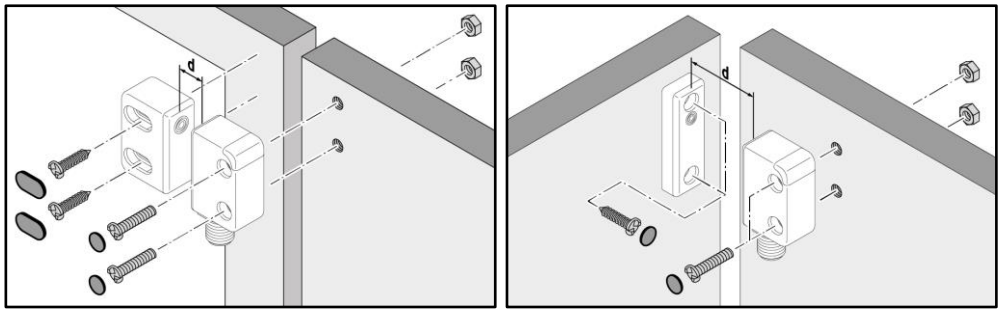
www.reersafety.com/QR/8541613

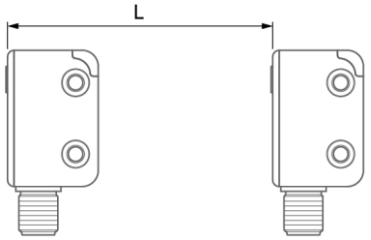
A) MONTAGGIO MECCANICO - MECHANICAL ASSEMBLY - MONTAGE MECANIQUE - BEFESTIGUNG - MONTAJE MECÁNICO

Precautions | ➔ Important

- Before installing the product, it is important to perform a specific risk analysis in accordance with the requirements of the Machinery Directive (2006/42/EC).
- REER guarantees the functional safety of RSafe but is not responsible for the performance of the system in which it is installed.
- Respect the correct activation direction described below.
- Remove power supply from the product before proceeding with mechanical installation.
- It is not permitted to fix sensor and actuator with less than two screws (EN ISO 14119).
- Follow the installation rules described in the standard EN ISO 14119.
- The use of anti-unscrewing screws is mandatory (EN ISO 14119).
- Fasten the devices to the gate using M4 x 20 screws or alternatively 3.5 x 19 cylinderhead self-threading screws with a tightening torque of 0.8 ... 1.5Nm.
- ➔ Mount the sensor to the fixed part of the safety gate/door and the actuator to the moving part.
- ➔ At the end of the assembly, plug the supplied caps into the housing of the fixing screws as shown in the assembly diagram. These plugs reduce the risk of tampering with the product as indicated in the EN ISO 14119 standard.
- ➔ Place the sensor and actuator facing each other with the centering marks at a distance ***d*** corresponding to:
  Actuation direction 1: 6mm < d < 10mm | Actuation direction 2 and 3: 2mm < d < 10mm
  (See following pictures for actuation direction and distance d)



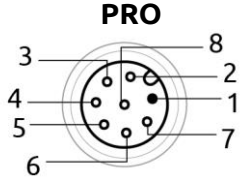




➔ **Multiple systems |** In the case of applications involving multiple sensors mounted close together, a minimum distance **L = 150mm** between the sensors must be observed in order to avoid interference.

B) COLLEGAMENTI – CONNECTIONS – BRANCHEMENTS – ANSCHLÜSSE – CONEXIONES

- ➔ Carry out all connections before supplying power to the product.
- ➔ The ground connection (0VDC) must be common to all system components.
- ➔ Make sure that the connector is screwed in all the way to ensure correct operation of the product.
- ➔ The RSafe sensor must be supplied with a voltage of 24VDC +/- 20 % (IEC 60947-5-2).
- ➔ Conductor size: 0.25 ... 2.5 mm^2.
- ➔ We recommend the use of separate power supplies for the product and for other electrical power equipment (electric motors, inverters, frequency converters) or other sources of disturbance.
- ➔ For connections longer than 20m, use cables with a cross-section of at least 0.5mm2 (AWG16), (1mm^2 over 50m).

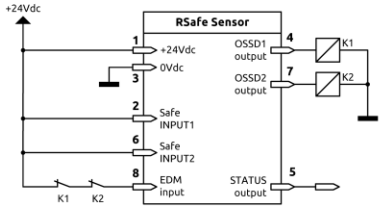


N.	COLOR	SIGNAL	DESCRIPTION
1	Brown	**24VDC**	24VDC power supply
2	White	**INPUT1**	OSSD input for serial connection 1
3	Blue	**0VDC**	0VDC power supply
4	Black	**OSSD1**	Safety output OSSD1
5	Grey	**STATUS**	Sensor status output
6	Pink	**INPUT2**	OSSD input for serial connection 2
7	Violet	**OSSD2**	Safety output OSSD2
8	Orange	**EDM**	Feedback K1K2

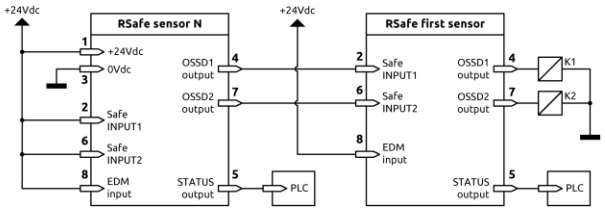
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Sito web: www.reersafety.com - email: info@reer.it

C) SCHEMI DI CONNESSIONE – WIRING DIAGRAMS – SCHÉMAS ÉLECTRIQUES – SCHALTPLÄNE – ESQUEMAS DE CONEXIÓN

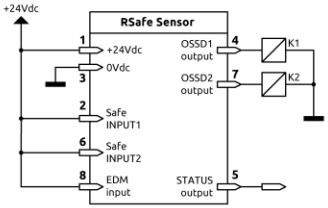
Automatic Mode With EDM



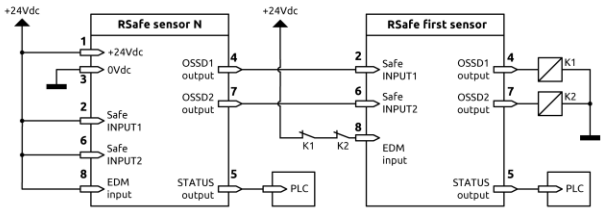
Chain Connection without EDM monitoring



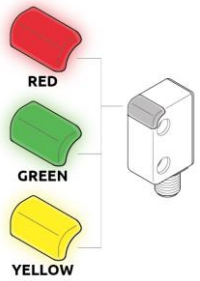
Automatic Mode - Without EDM



Chain Connection with EDM monitoring

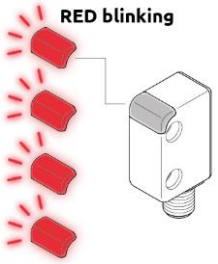


D) SEGNALAZIONI - STATUS INDICATORS - INDICATEURS - STATUSANZEIGEN - INDICADORES DE ESTADO



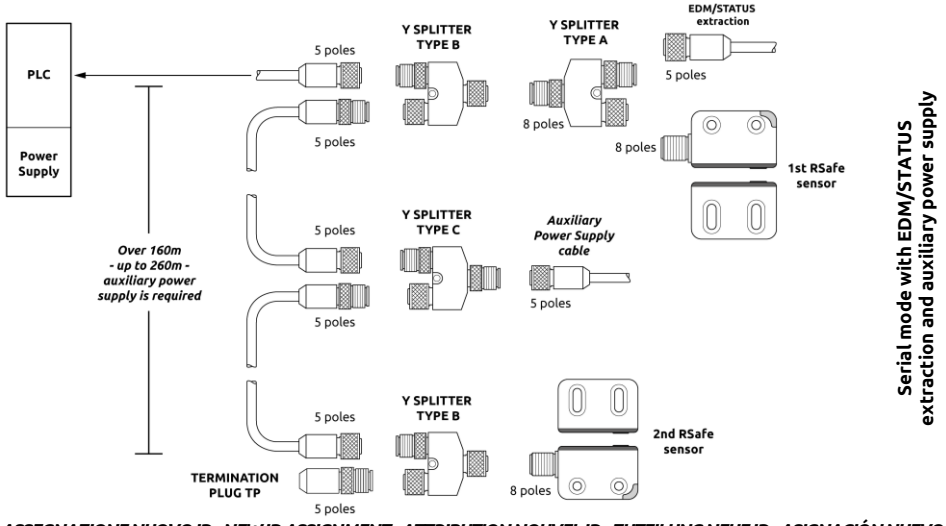
COLOR	SENSOR STATUS	MEANING
RED	BREAK	OSSD outputs LOW
GREEN	GUARD	OSSD outputs HIGH
YELLOW	RESTART	Waiting for Restart
GREEN / RED blinking	GUARD / INPUT OFF	At least one sensor is in BREAK state
GREEN blinking	PROGRAMMING	Actuator programming (TEACH-IN)
YELLOW blinking	CONFIG	Configuration type
RED blinking	FAIL	Error condition *(see following table)*

E) DIAGNOSTICA - DIAGNOSTICS - DIAGNOSTIC - DIAGNOSE - DIAGNÓSTICO



CONFIGURATION MODE (at power up)			
COLOR	**BLINKING**	**ERROR (DIAGNOSTIC)**	**CORRECTIVE ACTION**
RED blinking	1 time	OSSD outputs error	Check OSSD connections (4, 7)
	2 times	Safety input incongruency	Check sensor series connections (Input 2, 6 / OSSD 4, 7)
	3 times	EDM error	Check EDM connections (8)
	4 times	Overvoltage detected	Check connections / Send product to ReeR
	5 times	Internal error	Send product to ReeR
	6 times	Teach-in procedure counter overflow	Maximun number of automatic teach-in procedures reached. Use through wire procedure
	7 times	Incorrect wire Configuration	Check connections
	10 times	Antenna overvoltage detected	Send product to ReeR

F) MODO SERIALE - SERIAL MODE - MODE SÉRIEUX - SERIENMODUS - MODO EN SERIE

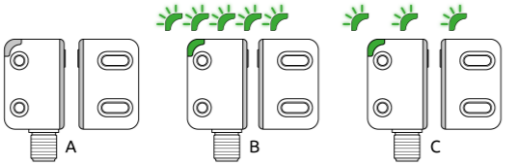


G) ASSEGNAZIONE NUOVO ID - NEW ID ASSIGNMENT - ATTRIBUTION NOUVEL ID - ZUTEILUNG NEUE ID - ASIGNACIÓN NUEVO ID

➔ **AUTOMATIC TEACH-IN PROCEDURE**

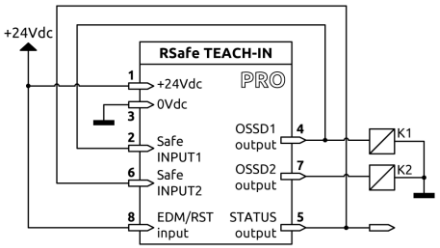
Memorization through side-by-side actuator recognition (up to 3 times).

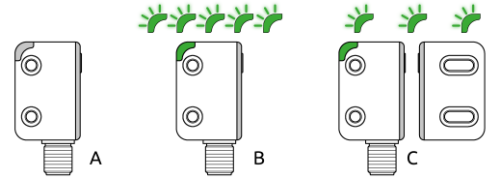
CONDITION A	CONDITION B (fast blinking)	CONDITION C (slow blinking)
Initial position	Switched on, pairing process	Paired, waiting for a restart



➔ **THROUGH WIRE TEACH-IN PROCEDURE**

The sensor must be wired following the configuration in the diagram:





CONDITION A	CONDITION B (fast blinking)	CONDITION C (slow blinking)
Waiting for power on	Switched on, waiting for programming	Actuator approaching to sensor, programmed and waiting for restart

- ➔ I valori di sicurezza, i dati tecnici, le condizioni di garanzia e la Dichiarazione di Conformità sono contenute integralmente nel manuale.
- ➔ The safety values, technical data, warranty conditions and Declaration of Conformity are fully contained in the manual.
- ➔ Les valeurs de sécurité, caractéristiques techniques les conditions de garantie et la Déclaration de Conformité sont contenues dans le manuel dans leur intégralité.
- ➔ Die Sicherheitswerte, Technische Daten, Garantiebedingungen und Konformitätserklärung sind vollständig im Handbuch enthalten.
- ➔ Los valores de seguridad, datos técnicos, las condiciones de garantía y la Declaración de Conformidad se encuentran en el manual en su totalidad.

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