

SAFETY UNITS AND INTERFACES

SE-SR2 is a safety unit that can be used in combination with every DATALOGIC Safety Light Curtains.

It provides dual-channel operation without detection of shorts across contacts.

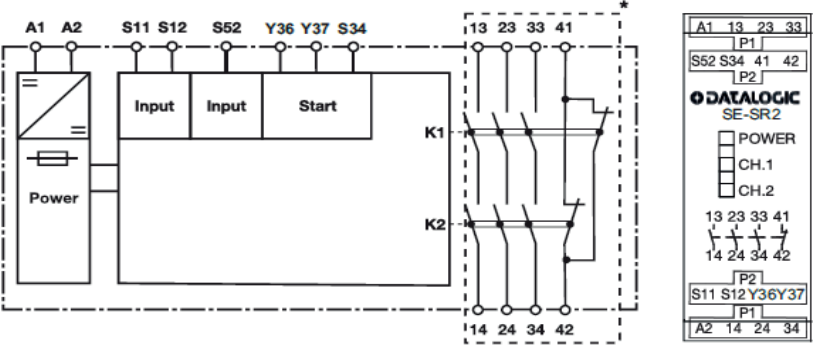
Short circuits and earth faults in the pushbutton circuit are detected.

CS-ME is an interface with two forcibly guided relays, providing 3 NO contacts. The diagnostic function must be performed by the Safety Light Curtains through External Device Monitoring function.



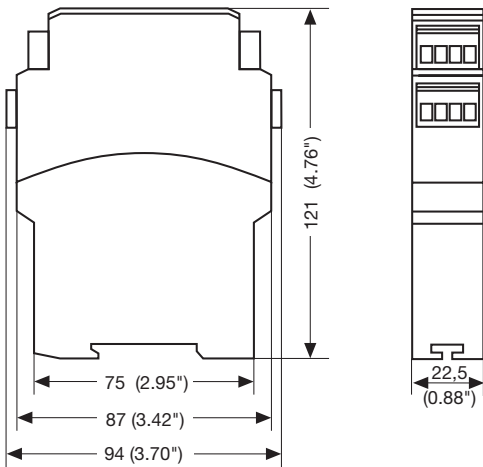
SE-SR2		CS-ME
GENERAL DATA		
PL (EN ISO 13849-1)	e	up to e (depending on ESPE)
SIL (IEC 61508)	3	up to 3 (depending on ESPE)
ELECTRICAL DATA		
Power supply	24 Vdc -15/+10%	24 Vdc -/+20%
Outputs		
Safe outputs (Cat. 4)	3 NO	3 NO
Auxiliary outputs	1 NC	1 NC
Response time		
Following input going OFF	typ. 10 ms, max. 20 ms	20 ms
With power failure	typ. 70 ms, max. 120 ms	20 ms
Recovery time		
Following inputs going ON	50 ms	40 ms
After power on	150 ms	40 msz
MECHANICAL AND ENVIRONMENTAL DATA		
Operating temperature	-10 ... +55°C	-25 ... +55°C
Humidity	15 ... 95 % (no condensation)	15 ... 95 % (no condensation)
Mechanical protection	IP20	IP20
FUNCTIONS		
Reset modes	Automatic/Manual/Monitored	Automatic
External Device Monitoring	Available on SE-SR2	Must be activated on Safety Light Curtain (ESPE)
COMPATIBILITY		
All DATALOGIC Safety Light Curtains		All DATALOGIC Safety Light Curtains with EDM function: SG2 EXTENDED SG2 MUTING SG2 BASE, SG4 BASE SG BODY COMPACT SG BODY BIG SG BODY REFLECTOR SG BODY COMPACT SG4 EXTENDED SLIM

INTERNAL DIAGRAM OF SE-SR2

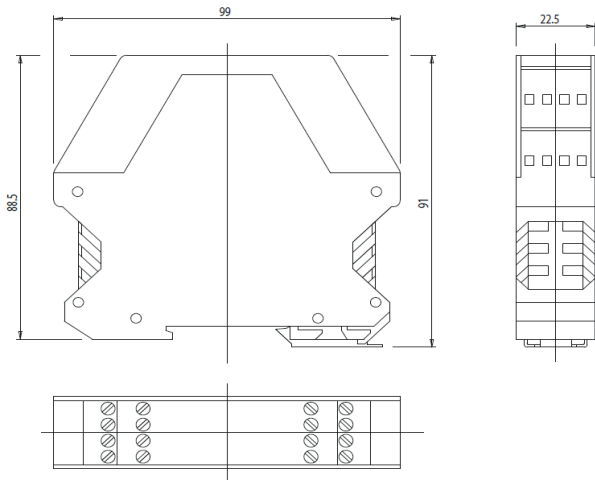


IMPORTANT: For the correct wiring refer to SE-SR2 manual.

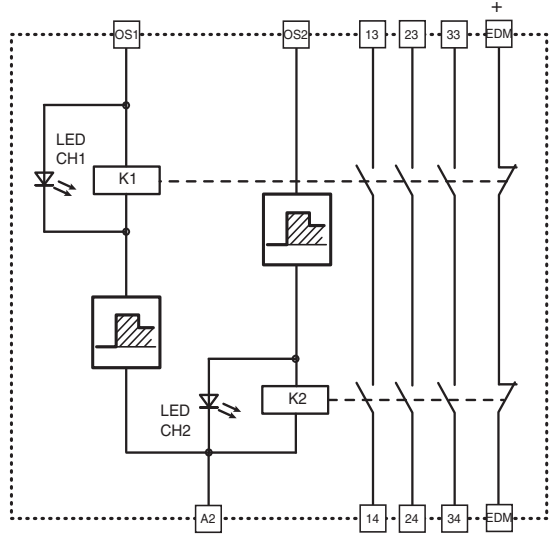
SE-SR2 DIMENSIONS



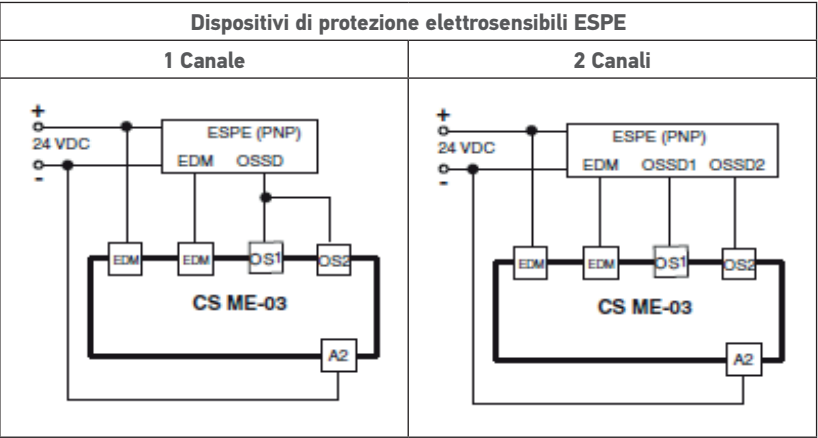
CS-ME DIMENSIONS



CS-ME INTERNAL DIAGRAM



CS-ME WIRING DIAGRAM



MODEL	DESCRIPTION	ORDER NUMBER
SE-SR2	Safety Unit	95ACC6170
CSME-03VU24-Y14	Forcibly guided relay interface	95ASE1270

Connection Boxes

SG-SRT1 and SG-SRT2 are interfaces provided with redundant forcibly guided relays, supplying a ready operator interface to restart or override the Safety Light Curtain, and have muting indication.



SG-SRT-1



SG-SRT-2

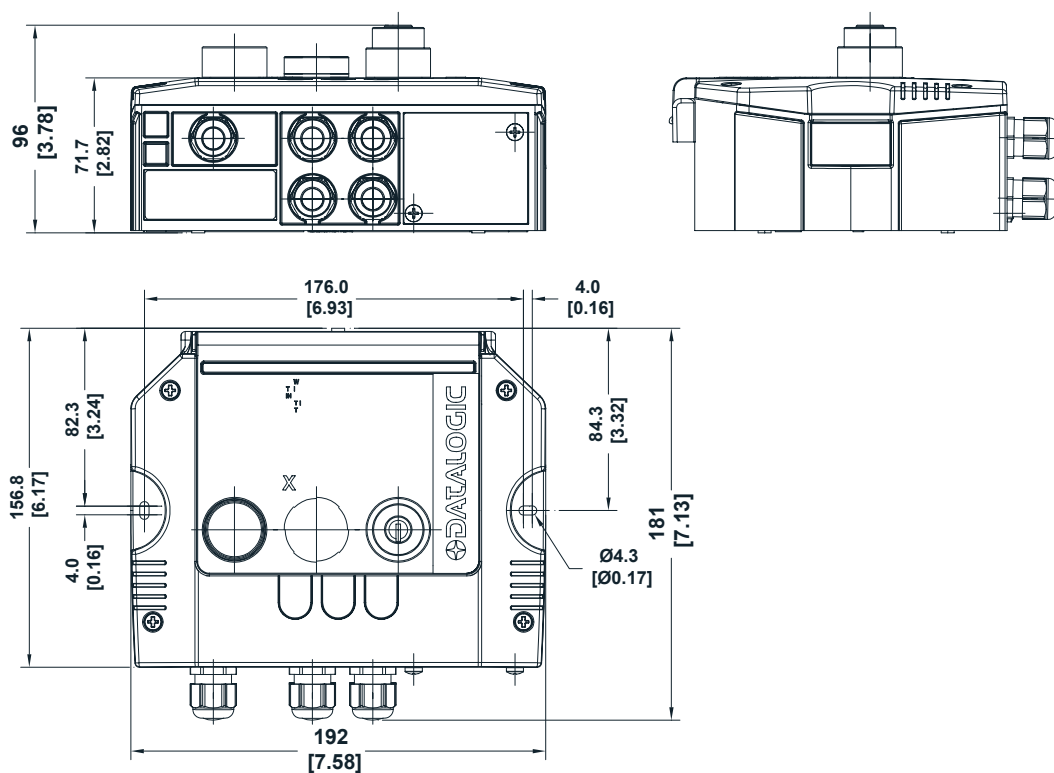


		SG-SRT1	SG-SRT2
ELECTRICAL DATA			
Power supply	24 Vdc +/- 20%		
Safe outputs	2 NO		
Max. switchable voltage	250 Vac		
Max. switchable current	2 A		
FUNCTIONS			
Reset mode	Automatic/Manual		
	Test		
	Reset		
	Restart		
	Override		
	---	Muting state indication	
COMPATIBILITY			
	SG BODY COMPACT MUTING SG BODY BIG MUTING SG BODY REFLECTOR MUTING	SG BODY BIG MUTING SG BODY REFLECTOR MUTING	

NOTE

SG-SRT1 and SG-SRT2 provide internal or external EDM signal to the Safety Light Curtain: to operate safely, EDM monitoring function must be activated on the Safety Light Curtain and correct wiring must be followed.

For further information refer to SG-SRT1/2 manual and the used Safety Light Curtain manual.



MODEL	DESCRIPTION	ORDER NUMBER
SG -SRT-1	Muting connection box	95ASE2050
SG -SRT-2	Muting connection box with lamp	95ASE2060