

CS ME SERIES

This **compact relay box** is the ideal solution able to guarantee a cost advantage respect to using a double-channel Type 2 or Type 4 safety relay. The box **can be used with all the safety light curtains of the SG and SE series that have the EDM function** (External Device Monitoring, i.e. the control of the external counter status). It represents an efficient alternative to using a couple of force-guided relays. The front terminal blocks and DIN rail mounting guarantee extremely fast installation and cabling ease.

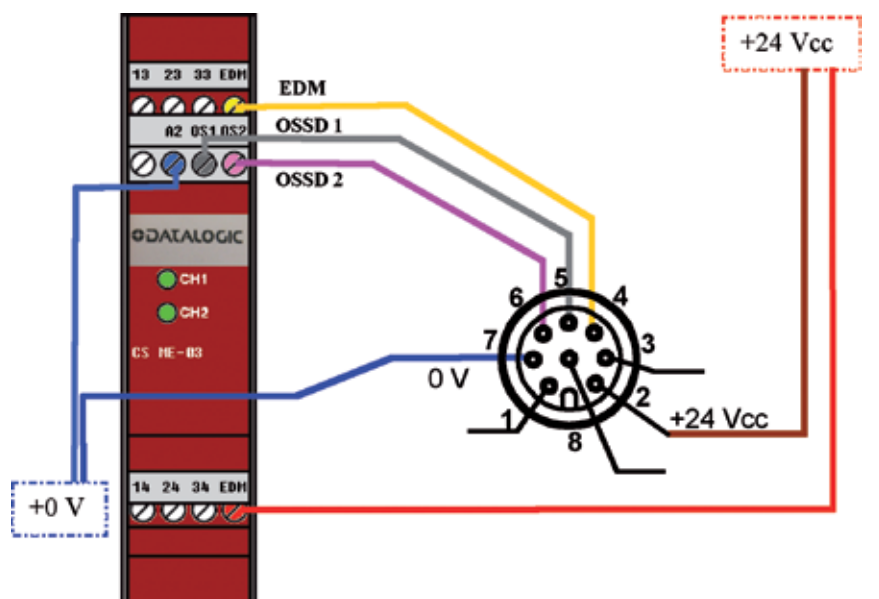


HIGHLIGHTS

- Module for Type 2 and Type 4 electrical light curtains
- 2 inputs for OSSD
- Output contacts: 3 NO safety contact and 1 NC feedback/EDM contact
- Standard terminal block for channel cabling

CONNECTIONS

Example of connecting the EDM module to the SE and SG series of safety light curtains with EDM function.



TECHNICAL DATA

HOUSING	Material:	Polyamide PA 6.6 class V0 (UL94)
	Protection degree:	IP40 (housing) IP20 (terminal block)
	Dimensions (L x H x D):	111.5 x 99.0 x 22.5mm
	Cable cross section:	0.2 ... 2.5mm ² 24 ... 12AWG
	Terminal driving torque:	0.5 ... 0.6Nm
GENERAL FEATURES	Safety category:	up to category 4 according to ISO EN 13849-1 (dependent from the base module)
	Ambient temperature:	-25 ... + 55°C
	Mechanical endurance:	> 10 millions operations
	Electrical endurance:	> 100.000 operations
	Pollution degree:	outside 3, inside 2
	Pulse withstand voltage (U _{imp}):	2.5KV
	Rated insulation voltage:	250V
	Over-voltage category:	II
	Insulation type:	basic insulation
Weight:	0.2Kg	
POWER SUPPLY	Rated operating voltage (U _n):	24Vdc*
	Max residual ripple in DC:	10%
	Supply voltage tolerance:	±20% di U _n
	Rated power consumption DC:	< 2W*
	Start power consumption:	< 3W control circuit
CONTROL CIRCUIT	Operating time t _A :	40ms
	Releasing time on de-energisation t _{R1} :	15ms + output circuit
OUTPUT CIRCUIT	Output contacts:	3 NO safety contacts
		1 NC feedback contact
	Contact type:	forced guided contacts
	Contacts material:	Silver alloy, gold plated
	Max. switching voltage:	230 */240Vac; 300Vdc
	Max. switching current per contact:	6A*
	Simultaneous currents sum of 3 outputs:	≤ 12A
	Conventional free air thermal current:	6A
	Contacts resistance:	≤100mW
	Protection fuse outside:	6A*
	Max. switching capacity:	1380 A/W
Utilization category (EN 60947-5-1):	AC15, U _e = 230V, I _e = 3 A DC13, U _e = 24V, I _e = 6 A (6 operations/minute)	
Utilization category (UL508):	C300	
STANDARD CONFORMITY	Standard conformity:	EN 60204-1, ISO EN 13849-1, EN 999, EN 1037, EN ISO 12100-1, EN ISO 12100-2, EN 418, EN 60529, EN 61000-6-2, EN 61000-6-3, EN 62326-1, EN 60664-1, EN 60947-1, UL 508, CSA C22.2 n°14-95
	Directory conformity:	2006/95/EC, 2006/42/EC, 2004/108/EC
	Clearance and creepage distances:	according to EN 60947-1
	Approvals:	UL file n° E131787

* Data type approved by UL conforms to the standard UL 508 (file E131787)
Notes (data type approved by UL):
- Use 60° or 75 °C copper (Cu) conductor and wire size No. 30-12 AWG.
- The terminal tightening torque of 5-7 Lb-In.
- Only for 24 VAC/DC version, supply from remote class 2 source or limited voltage and limited energy.

MODELS

MODEL	DESCRIPTION	ORDER N°
CS ME-03VU24-Y14	EDM RELAY BOX	95ASE1270



The company endeavours to continuously improve and renew its products; for this reason the technical data and contents of this catalogue may undergo variations without prior notice. For correct installation and use, the company can guarantee only the data indicated in the instruction manual supplied with the products.