

## SAFETY LIGHT CURTAINS

### EOS4 451 X

Built-in, selectable manual/automatic Start/Restart Built-in feedback input for external relays monitoring (EDM). Muting function through external AD SRM interface, Mosaic or Safety PLC.

#### Certifications:



#### Technical data:

Family	EOS4
Code	1310012
Safety level (SIL / PL)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
Height of controlled area (mm)	450
Detection	Finger
Height of protected area (mm)	460
Resolution (mm)	14
Number of beams	45
Max. length of the connection cables (m)	100
Power supply (VDC)	24 +/- 20%
Connections	5/8 poles M12 connectors
Operating Range (m)	3 or 6 selectable
Response time (ms)	7,5
Safety outputs	2 PNP - 400mA at 24 VDC with protection against short circuit, overload and reverse polarity
Signalling	LEDs for light curtains status and diagnostic
Safety functions Start / Restart and EDM	Built-in
Muting Function	With external modules
Blanking function	No
MTTFd (ISO 13849-1) years	100
PFHd (IEC 61508)	1,52E-08
CCF (ISO 13849-1)	80%
Degree of protection	IP 65 - IP 67
Operating temperature (°C)	From -10 to 55
Cross section dimensions (mm)	28 x 30
Overall height (mm)	513
Fixing modes	Back
Packaging dimensions WxHxL (mm)	195x135x500
Gross weight (Kg)	2,3
Protective enclosures	no
Master Slave Models	no

## Accessories:

[CABLES CD 5](#)  
[CABLES CD 10](#)  
[CABLES CD 15](#)  
[CABLES CD 20](#)  
[CABLES CD 25](#)  
[CABLES CD 50](#)  
[CABLES CD 95](#)  
[CABLES CD 910](#)  
[CABLES CD 915](#)  
[CABLES CDM 9](#)  
[CABLES CDM 99](#)  
[CABLES C8D 5](#)  
[CABLES C8D 10](#)  
[CABLES C8D 15](#)  
[CABLES C8D 25](#)  
[CABLES C8D 40](#)  
[CABLES C8D 95](#)  
[CABLES C8B 910](#)  
[CABLES C8D 915](#)  
[CABLES C8DM 11](#)  
[CABLES C8DM 911](#)  
[FMC S1700 COLUMN WITH MIRROR](#)  
[FMC EB2 FLOOR SUPPORT COLUMN](#)  
[FMC EB2R FLOOR SUPPORT COLUMN](#)  
[LASER ALIGNEMENT LAD 4](#)  
[ACCESSORIES VIBRATION DAMPERS SAV-8E](#)  
[ACCESSORIES PSE 450 PROTECTIVE SCREEN](#)  
[ACCESSORIES SFS E - SET OF STAINLESS STEEL CLAMP](#)  
[ACCESSORIES BRAKETS SFB 4E](#)  
[ACCESSORIES BRAKET SFB E 180](#)  
[ACCESSORIES FE 4 BRAKETS](#)  
[ACCESSORIES TR 14 TEST ROD](#)  
[ACCESSORIES SP 400 S - DEFLECTION MIRROR](#)

## Related products:

[MOSAIC M1](#)  
[MOSAIC MR2](#)  
[AD SRM Type 4 interface with muting for light curtains](#)  
[Safety relay modules for devices with integrated feedback input for EDM - AD SR0](#)  
[Safety relay modules for devices with integrated feedback input for EDM - AD SR0A](#)

**See technical drawing in the next page.**

Technical drawing:

A1 = 450 mm  
A = 513 mm

