



SBCR03

SBCR03/S-AM

Safety,Control Unit,with muting,Type 2
CONTROL UNIT TYPE 2

OVERVIEW

- Up to 6 sets of safety photocells M18 (SH4-IA) or M30 (TH6-IA) interconnectable
- DIN RAIL Mounting
- Body protection and access control
- Cat. 2 according to EN 61496-1
- Cat. 2 / PL c according to EN ISO 13849-1; SIL CL 1 according to EN 62061 / IEC 61508
- Models with single/double channel Muting and Override functions
- Response time less than 5 ms
- 2 OSSD outputs



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	According to the sensors used: SH4/*-**IA up to 10m TH6/*-**IA up to 60m
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Effective Aperture Angle	n/a
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Application

Function Principle	Control unit
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Available functions	Manual/Automatic Restart, EDM, Muting, Double Muting, Override
Description	Compact standard
Max. number of sensors connected	6 x SH4_IA/TH6_IA pairs
Max. number of muting sensors	4 x PNP-NO
Muting lamp output	2 x incandescent lamp (1 ... 10W, 24Vdc)
State lamp output	1 x incandescent lamp (1 ... 10W, 24Vdc)
Functions	Safety Control Unit + muting

Safety parameters

Type	Type 2 safety control unit (A/M)
SIL	1
SILCL	1
PL	c
MTTFd	20 years

Outputs

Output type	2 x PNP-NO (OSSD safety output) with EDM
Response time	≤ 12 ms
Response Time (Test input)	≤ 30ms
Tempo di Risposta (Muting function)	≤ 270ms
Recovery time	≤ 50ms

Electrical data

Operating Voltage	24 Vdc ± 20%
Power consumption	4W (without lamps/loads)
No-Load supply current	150mA
Load current	≤ 500mA each output
Output voltage drop	2,5V @ 500mA
Cabel Length (Power Supply/Output)	≤ 30m (cable section 0,5mm2) ≤ 60m (cable section 2,5mm2)
Cable Length (sensors)	≤ 100m (cable section 2mm2)
Ripple	≤ 5%

Mechanical data

Dimensions	121 x 105 x 100mm
Housing material	ABS UL VO
Connections	2 x terminals bar
Operating temperature	20°C ... +60°C (without freeze)
Storage temperature	-25...+ 70°C
Humidity	15% ... 95% (no condensation)

Test/Approvals

Approvals	CE, TÜV
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Degree of protection	IP20
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Generical Data

Dimensions	121 x 105 x 100mm
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Operating Temperature	20...+60°C (without freeze)
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Humidity	15% ... 95% (no condensation)
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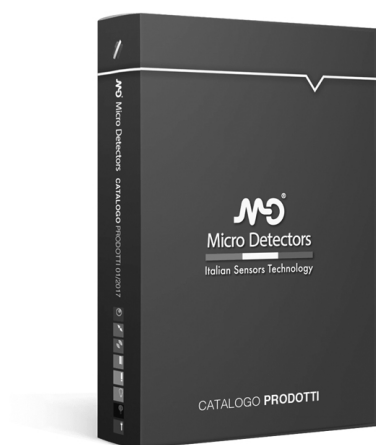
Mechanical Protection	IP20
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UNASSIGNED

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CONNECTIONS

Electrical diagram



For the wiring diagram,
consult the catalogue
or manual.

OTHERS

Dimensions

Image:

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