Control unit Type 2



features

- 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 acording to EN 62061 / IEC 61508
- Models with single/double channel Muting and Override functions
- Response time less than 5 ms
- 2 OSSD outputs

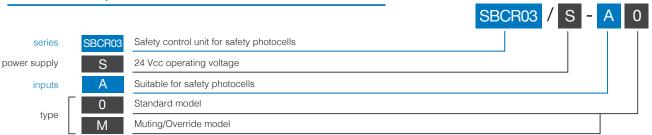
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code description



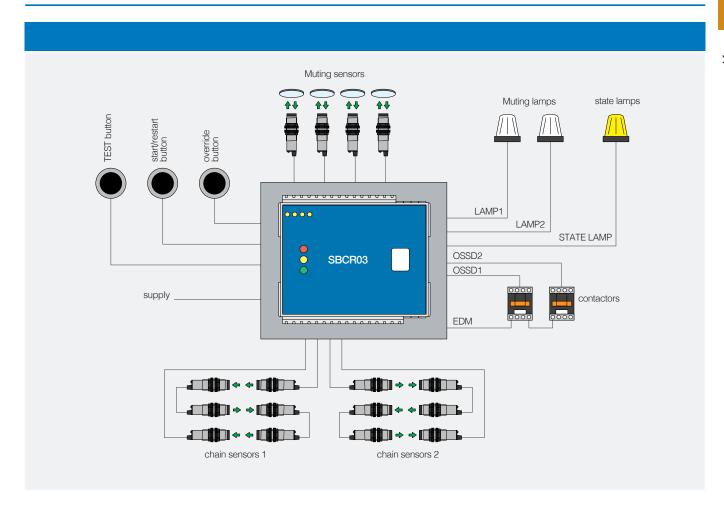
connectable devices

series	photocell	operating distance
SH4 - IA	M18	until 10 m
TH6 - IA	M30	until 60 m

	SBCR03/S-A0	SBCR03/S-AM	
operating voltage	24 Vdc		
tolerance on operating voltage	- 30+ 20 %		
voltage ripple	5 Vpp		
absorbed current	100 mA		
	Safety function		
	START / RESTART / INTERLOCK ≤125 ms EDM (300 ms relay switching time monitoring)		
available functions	EDM (300 ms relay swit		
	- -	muting double muting	
		override	
muting sequence	-	3 s (selectable)	
muting Time-Out	-	3 min (selectable)	
muting sensors type	-	4 x PNP, NO	
muting lamp output		2 lamps 1 to 10 W, from 1 to 10 W, 24 Vcc	
status lamp output		from 1 to 10 W, 24 Vdc	
output voltage drop	2.5 V @ 500 mA		
response time	≤ 5 ms		
recovery time	≥ 100 ms		
IP mechanical protection	to be mounted inside a cabin with IP54 minimum		
operating temperature	-20°+60°C		
storage temperature	-25°+75°C		
housing material	ABS UL VO		
weight	700) g	

safety parameters

Category 2 safety control unit		
safety integrity level	SIL3 (IEC 61508), SIL CL 3 (EN 62061) (1)	
Туре	4 (EN ISO 13849) (1)	
performance level	PL e (EN ISO 13849) (1)	
maximum frequency of request (3)	60/min (EN ISO 13849)	
PFH _d ⁽⁴⁾	8.1 x 10 ⁻⁶	
TM (life time)	20 years	



Muting conditions

n° of Muting sensors	Muting signals combinations	
2	M1 & M2	
3	M3 followed by M1& M2 (direction recognition)	
2+2	M1 & M2 and/or M3 & M4 M1 M2 muting is indipendent from M3 M4	

Muting conditions and Muting sequence control

n° of Muting sensors	Muting signals combinations
2	M1 & M2 must be active within 3 s
3	M1 & M2 must be active within 3 s (with M3 is active)
2+2	M1 & M2 and / or M3 & M4 must be active within 3 s Muting sequence of M1 M2 is indipendent from Muting sequence of M3 M4

