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November, 2009 – 8946145
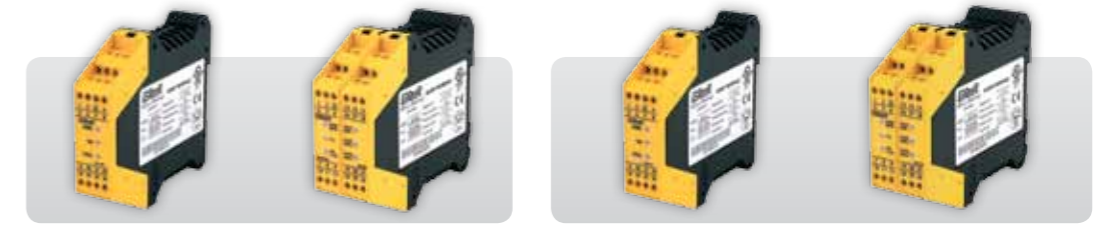
SAFETY RELAYS

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EMERGENCY STOP AND SAFETY GATE MONITORING RELAY
TWO HAND CONTROL RELAY
SAFETY RELAY for safety sensors with EDM

	AD SRE3	AD SRE3C	AD SRE4	AD SRE4C	AD SRT	AD SR0	AD SR0A
Safety level	PL a – d, Cat. 2 - 3 according to ISO 13849-1		PL e, Cat. 4 according to ISO 13849-1			–	
Safety relay outputs	2 NO – 6 A 240 Vac		3 NO + 1 NC – 5 A 240 Vac		2 NO + 1 NC 6 A 240 Vac	2 NO + 1 NC	2 NO
						2 A 250 Vac	
Min. switching current at 24 Vdc (mA)	6					20	
Response time (ms)	≤ 50		≤ 30		≤ 30	≤ 20	
Start/Restart	Automatic/ Manual	Manual - Monitored	Automatic/ Manual	Manual - Monitored	–	–	
External Device Monitoring	Yes	Yes	Yes	Yes	Yes	–	
Signalling	LED indicators for status and supply diagnostic: power, channel 1 and channel 2					–	
Power supply (Vdc)	24 (-15 +10%)		24 (± 10%)		24 (-15 +10%)	24 (± 20%)	
Simultaneity (s)	–				Simultaneous: ≤ 0,5 for EN 574 Type III C	–	
Electrical connection	On terminal block						
Operating temperature (°C)	-25 to +55					0 to +55	
Protection rating	IP 40 for housing - IP 2X for terminal block					IP 20 for housing IP 2X for terminal block	
Fastening	Rail fastening according to EN 50022-35 standard						
Dimensions h x w x d (mm)	99 x 22,5 x 114					101 x 35 x 120	
Approvals	CE TÜV NORD Safety Approved c UL us LISTED					CE c UL us LISTED	

Model	Ordering Code	Description
AD SRE3	1330911	Safety relay for E-Stop and gates PL a – d, Cat. 2 - 3
AD SRE3C	1330912	Safety relay for E-Stop and gates PL a – d, Cat. 2 - 3 – Monitored Restart
AD SRE4	1330913	Safety relay for E-Stop and gates PL e, Cat. 4
AD SRE4C	1330914	Safety relay for E-Stop and gates PL e, Cat. 4 – Monitored Restart
AD SRT	1330915	Safety relay PL e, Cat. 4 – Two hand control – Type III C
AD SR0	1330902	Safety relay for safety sensors with EDM, 2 NO+1 NC
AD SR0A	1330903	Safety relay for safety sensors with EDM, 2 NO
AD SR1	1330900	Safety interface Type 4 with EDM and Start/Restart interlock for safety light curtain
AD SRM	1330904	Muting safety interface Type 4 with EDM and Start/Restart interlock for safety light curtain
AU SX	1201710	Safety interface Type 2 with EDM and Start/Restart interlock for Ilion and Ulisse
AU SXM	1201711	Muting safety interface Type 2 with EDM and Start/Restart interlock for Ilion and Ulisse

SAFETY INTERFACE FOR SAFETY LIGHT CURTAINS
CONTROL UNIT FOR ILION AND ULISSE SAFETY PHOTOCELLS

	AD SR1	AD SRM	AU SX	AU SXM
Safety level	Type 4 according to IEC/TS 61496-2 SIL 3, SILCL 3 according to IEC 61508 - IEC 62061 PL e, Cat. 4 according to ISO 13849-1		Type 2 according to IEC/TS 61496-2 SIL 2, SILCL 2 according to IEC 61508 - IEC 62061 PL d, Cat. 2 according to ISO 13849-1	
Two-channel inputs for safety light curtains	1		–	
Number of photocells	–		1 – 4	
Imputs for Muting sensors	–	2 dark-on; 24 Vdc; PNP or relay	–	2 dark-on; 24 Vdc; PNP or relay
Muting enable input	–	24 Vdc; PNP or relay	–	24 Vdc; PNP or relay
Safety relay outputs	2 NO – 2 A 250 Vac			
Min. switching current at 24 Vdc (mA)	20			
Safety system status indicator output	–	PNP – 100 mA at 24 Vdc		
Muting lamp output	–	24 Vdc; 0.5 - 5 W	–	24 Vdc; 0.5 - 5 W
Muting timeout (selectable)	–	30 sec. or infinite	–	30 sec. or infinite
Override (selectable)	–	- manual action with hold to run - automatic with pulse command	–	- manual action with hold to run - automatic with pulse command
Override timeout (min)	–	15	–	15
Response time (ms)	≤ 20		≤ 30	
Start/Restart	Manual or automatic Start/Restart selectable on terminal block (Safe Start/Restart command according to IEC 61496-1)			
External Device Monitoring	External relay control feedback input, selectable			
Signalling	LED indications of input/output status, Diagnosis and Muting sensor inputs (for AD SRM and AU SXM)			
Power supply (Vdc)	24 (± 20%)			
Electrical connection	On terminal block			
Operating temperature (°C)	0 to +55			
Protection rating	IP 20 for housing – IP 2X for terminal block			
Fastening	Rail fastening according to EN 50022-35 standard			
Dimensions h x w x d (mm)	99 x 22,5 x 114	99 x 35 x 114	99 x 22,5 x 114	99 x 35 x 114
Approvals	CE TÜV SÜD c UL us LISTED ESPE			