

AD SR1

MAIN FEATURES

Interface module between the safety light curtains EOS4 A, EOS2 A, Admiral AD, Admiral AX BK, Vision V and the machine control circuits.

With guided-contact safety relays, 2 NO contacts and PNP output for relay status signaling.

- Start/Restart interlock
- EDM Feedback input for extra external contactors monitoring



TECHNICAL FEATURES

Model	AD SR1
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
Two-channel inputs for safety light curtains	1
Safety relay outputs	2 NO - 2 A 250 VAC
Response time (ms)	≤ 20
Start/Restart*	manual or automatic Start/Restart selectable on terminal block
External Device Monitoring	external relay control feedback input, selectable
Signalling	LED indication of input/output status and diagnosis
Power supply (VDC)	24 ± 20%
Electrical connections	on terminal blocks
Operating temperature (°C)	0 to 55
Protection rating	IP 20 for housing IP 2X for terminal blocks
Fastening	rail fastening according to EN 50022-35 standard
Dimensions - h x w x d (mm)	99 x 22,5 x 114

ORDERING INFORMATION (for ordering codes see page 226)

Each AD SR1 safety interface includes:

- Multi-language instruction manual complete with CE declaration of conformity

Safety level: **Type 4 – SIL 3 – SILCL 3 – PL e – Cat. 4**

- 2006/42/EC "Machinery Directive"
- 2004/108/EC " Electromagnetic Compatibility (EMC)"
- 2006/95/EC "Low Voltage Directive (LVD)"
- IEC/EN 61496-1 Ed. 2.1 and IEC/TS 61496-2 Ed. 2 " Safety of machinery - Electro-sensitive protective equipment- General requirements and tests"
- EN ISO 13849-1 "Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design"
- IEC/EN 62061 "Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems"
- IEC 61508 "Functional safety of electrical/electronic/programmable electronic safety-related systems"
- IEC/TS 62046 Ed. 2 "Safety of machinery – Application of protective equipment to detect the presence of persons"
- UL (C+US) mark for USA and Canada.



* Safe Start/Restart command according to IEC 61496-1