



### Main

Range of product	Interface for discrete signals
Product or component type	Slim electromechanical output interface module
Contacts type and composition	1 NO
[Uc] control circuit voltage	24 V
Control circuit type	DC
Width pitch dimension	12 Mm
Maximum [In] rated current	18 MA
Reverse polarity protection	With
Short-circuit protection	6.3 A external fuse fast blow (Ik ≤ 1 kA AC and Ik ≤ 100 A DC)
[Ith] conventional free air thermal current	5 A conforming to IEC 60947-1
Sale per indivisible quantity	5

### Complementary

Control circuit voltage limits	28.8 V energization threshold: 14.5 V
Connections - terminals	Screw clamp terminal
Drop-out voltage	2 V
Holding current	1.3 MA
Power dissipation in W	0.43 W
Maximum switching voltage	150 V DC 250 V AC
[Ue] rated operational voltage	≤ 120 V DC conforming to IEC 60947-5-1 ≤ 230 V AC conforming to IEC 60947-5-1
Network frequency	50/60 Hz
[Ie] rated operational current	1 A AC-14 Ue: 230 V per 1000000 cycles conforming to IEC 60947-5-1 1 A AC-15 Ue: 230 V per 1000000 cycles conforming to IEC 60947-5-1 3 A AC-12 Ue: 230 V per 1000000 cycles conforming to IEC 60947-5-1 1.5 A DC-13 Ue: 24 V per 1000000 cycles conforming to IEC 60947-5-1 1.7 A DC-12 Ue: 24 V per 1000000 cycles conforming to IEC 60947-5-1
Minimum switching current	5 MA
Minimum switching voltage	5 V
Electrical reliability	≤ 0.00000001
Operating time	≤ 10 ms between energisation of coil and closing of NO contact DC ≤ 5 ms between de-energisation of coil and closing of NO contact DC
Contact bounce time	≤ 5 ms
Operating rate in Hz	10 Hz at no-load 0.5 Hz at Ie
Mechanical durability	10000000 Cycles

[Ui] rated insulation voltage	250 V conforming to VDE 0110 group C 300 V conforming to IEC 60947-1
Flame retardance	V0 conforming to UL 94
Cable cross section	0.34...2.5 Mm <sup>2</sup> , 1 or 2 wires flexible with cable end 0.6...2.5 Mm <sup>2</sup> , 1 or 2 wires flexible without cable end 0.27...4 Mm <sup>2</sup> , 1 wire rigid
Operating position	Any position
Installation category	II conforming to IEC 60947-1
Mounting support	Symmetrical DIN rail Asymmetrical DIN rail Combination rail
Net weight	0.04 Kg

## Environment

Immunity to microbreaks	5 Ms
Dielectric strength	1000 V for 1 minute between open contacts 2500 V for 1 minute between wired interface and earth 4000 V for 1 minute between coil circuit and contact circuits
Standards	IEC 60947-5-1
Product certifications	BV CSA DNV LROS (Lloyds register of shipping) UL
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TC
Fire resistance	960 °C conforming to IEC 60695-2-1
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	3 gn conforming to IEC 60068-2-6 (f = 10...150 Hz)
Electromagnetic compatibility	Electromagnetic field immunity test: level 3 10 V/m between 27...1000 MHz conforming to IEC 61000-4-3 Electrostatic discharge immunity test: level 3 8 kV conforming to IEC 61000-4-2 Fast transients immunity test: level 3 on input/output 1 kV conforming to IEC 61000-4-4 Fast transients immunity test: level 3 on power supply 2 kV conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test conforming to IEC 60947-1
Ambient air temperature for operation	-25...55 °C at Us -25...70 °C at Us with 8 mm space between ABR2S1... -5...40 °C unrestricted operation -5...55 °C from 0.85...1.1 Us
Ambient air temperature for storage	-40...80 °C
Operating altitude	<= 3000 m
Pollution degree	2 conforming to IEC 60947-1

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	47 G
Package 1 Height	7 Cm
Package 1 width	9 Cm
Package 1 Length	11.7 Cm
Package 2 Weight	237 G
Package 3 Weight	3.946 Kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**