



## Main

Range of Product	Interface for discrete signals
Product or Component Type	Slim electromechanical input interface module
Product Specific Application	For very low level switching
Contacts type and composition	1 C/O
[Uc] control circuit voltage	24 V
Control circuit type	DC
Width pitch dimension	0.69 in (17.5 mm)
Maximum [In] rated current	0.023 A
Reverse polarity protection	Control circuit internal
Short-circuit protection	0.4 A external fuse fast blow
[Ith] conventional free air thermal current	0.05 A IEC 60947-1
Local signalling	For control signal state green LED

## Complementary

Control circuit voltage limits	28.8 V
Connections - Terminals	Screw clamp terminal
Operating threshold	16.9 V
Drop-out voltage	3.8 V
Holding Current	2 mA
Power dissipation in W	0.55 W
Maximum switching voltage	60 V AC 60 V DC
[Ue] rated operational voltage	<= 48 V AC IEC 60947-5-1 built-in contacts <= 48 V DC IEC 60947-5-1 built-in contacts
Network Frequency	50/60 Hz
Minimum switching current	0.01 mA
Minimum switching voltage	0.01 V
Electrical reliability	1e-008
Operating time	<= 6 ms between de-energisation of coil and closing of NO contact DC <= 6 ms between energisation of coil and closing of NO contact DC <= 6 ms between de-energisation of coil and closing of NC contact <= 6 ms between energisation of coil and closing of NC contact
Contact bounce time	<= 2 ms
Non-overlap time	2 Ms de-energisation 5 ms energisation
Operating rate in Hz	10 Hz at no-load
Mechanical durability	20000000 cycles
[Ui] rated insulation voltage	250 V VDE 0110 group C 300 V IEC 60947-1
Flame retardance	V0 conforming to UL 94
Cable cross section	0.00...0.01 In <sup>2</sup> (0.27...4 mm <sup>2</sup> ), 1 wire rigid 0.00...0.00 In <sup>2</sup> (0.34...2.5 mm <sup>2</sup> ), 1 or 2 wires flexible with cable end 0.00...0.00 in <sup>2</sup> (0.6...2.5 mm <sup>2</sup> ), 1 or 2 wires flexible without cable end
Operating position	Any position

Installation category	II IEC 60947-1
Mounting Support	Symmetrical DIN rail Asymmetrical DIN rail Combination rail
Net Weight	0.11 lb(US) (0.048 kg)

## Environment

Immunity to microbreaks	1 ms
Dielectric strength	1000 V between open contacts 1500 V between coil circuit and contact circuits 2500 V between wired interface and earth
Standards	IEC 60947-5-1
Product Certifications	LROS (Lloyds register of shipping) CSA BV DNV UL
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TC
Fire resistance	1760 °F (960 °C) IEC 60695-2-1
Shock resistance	30 gn 11 ms IEC 60068-2-27
Vibration resistance	3 gn 10...150 Hz)IEC 60068-2-6
Electromagnetic compatibility	1.2/50 µs shock waves immunity test IEC 947-1 Electromagnetic field immunity test, level 3 10 V/m between 27...1000 MHz IEC 61000-4-3 Electrostatic discharge immunity test, level 3 8 kV IEC 61000-4-2 Rapid transients immunity test, level 3 on input/output 1 kV IEC 61000-4-4 Rapid transients immunity test, level 3 on power supply 2 kV IEC 61000-4-4
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C) at Us 23...104 °F (-5...40 °C) unrestricted operation 23...131 °F (-5...55 °C) from 0.85...1.1 Us
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Operating altitude	<= 9842.52 ft (3000 m)
Pollution degree	2 IEC 60947-1

## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	3389110651492
Nbr. of units in pkg.	1
Package weight(Lbs)	1.90 oz (54 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.95 in (7.5 cm)
Package 1 width	3.15 in (8 cm)
Package 1 Length	4.25 in (10.8 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Weight	9.52 oz (270 g)
Package 2 Height	2.95 in (7.5 cm)
Package 2 width	3.15 in (8 cm)
Package 2 Length	4.25 in (10.8 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	25
Package 3 Weight	3.52 lb(US) (1.596 kg)
Package 3 Height	5.91 in (15 cm)

Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

## Offer Sustainability

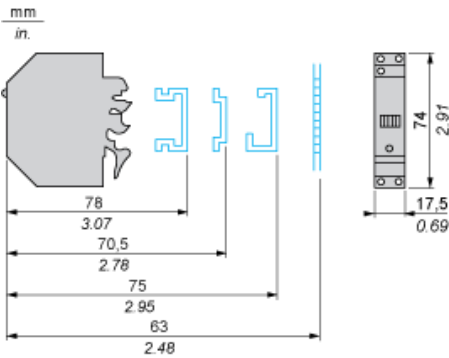
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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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Slim Electromechanical Interface Module

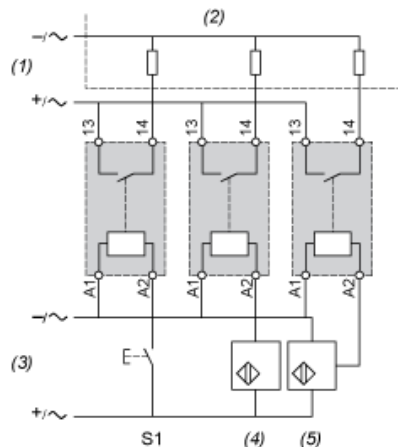
Dimensions



## Slim Electromechanical Interface Module

### Example of Application with PLC

Interfacing PLC discrete inputs



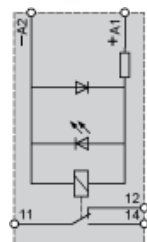
ABR 2E\*\*\*\*

- S1 Pushbuttons series contacts
- (1) Processing power supply
- (2) PLC positive logic discrete inputs
- (3) Process power supply
- (4) 2-wire sensors
- (5) 3-wire sensors

## Slim Electromechanical Interface Module

### Circuit Diagram

1 C/O



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