



## Main

Range of Product	Interface for discrete signals
Product or Component Type	Electromechanical input interface module
Contacts type and composition	1 C/O
[Uc] control circuit voltage	24 V
Control circuit type	AC/DC
Control circuit frequency	50/60 Hz
Width pitch dimension	0.69 in (17.5 mm)
Maximum [In] rated current	55 MA AC 62 mA DC
Reverse polarity protection	with
Short-circuit protection	16 A external fuse gF Ik ≤ 2.5 kA AC and Ik ≤ 100 A DC) 16 A external fuse gG Ik ≤ 2.5 kA AC and Ik ≤ 100 A DC)
[Ith] conventional free air thermal current	2 A IEC 60947-1
Local signalling	Green mechanical indicator for position of contacts 1 green LED control signal state

## Complementary

Control circuit voltage limits	30 V 16.5 V
Housing Colour	Grey
Connections - Terminals	Screw clamp terminal
Drop-out voltage	3.8 V
Minimum holding current	4.9 MA DC 5.2 mA AC
Maximum power dissipation in W	1.5 W
Maximum switching voltage	125 V DC 252 V AC
[Ue] rated operational voltage	≤ 125 V DC IEC 60947-5-1 ≤ 230 V AC IEC 60947-5-1
Network Frequency	50/60 Hz
[Ie] rated operational current	1 A AC-13 Ue: 230 V 1000000 cycles IEC 60947-5-1 1 A AC-14 Ue: 230 V 1000000 cycles IEC 60947-5-1 1 A AC-15 Ue: 230 V 1000000 cycles IEC 60947-5-1 1 A DC-13 Ue: 24 V 1000000 cycles IEC 60947-5-1 2 A AC-12 Ue: 230 V 1000000 cycles IEC 60947-5-1 2 A DC-12 Ue: 24 V 1000000 cycles IEC 60947-5-1
Minimum switching current	3 mA
Minimum switching voltage	17 V
Electrical reliability	≤ 0.00000001
Operating time	≤ 12 ms between de-energisation of coil and closing of NC contact ≤ 12 ms between de-energisation of coil and closing of NO contact ≤ 12 ms between energisation of coil and closing of NC contact ≤ 12 ms between energisation of coil and closing of NO contact
Contact bounce time	≤ 3 ms
Operating rate in Hz	6 Hz at no-load 0.5 Hz at Ie
Mechanical durability	10000000 cycles

[Ui] rated insulation voltage	250 V IEC 60947-1 250 V VDE 0110 group C
Flame retardance	V0 conforming to UL 94
Cable cross section	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 0.00...0.00 In <sup>2</sup> (0.27...2.5 mm <sup>2</sup> ), 2 wires rigid 0.00...0.01 in <sup>2</sup> (0.27...4 mm <sup>2</sup> ), 1 wire rigid
Operating position	Any position
Installation category	II IEC 60947-1
Mounting Support	Combination rail Asymmetrical DIN rail Symmetrical DIN rail
Net Weight	0.21 lb(US) (0.095 kg)

## Environment

Immunity to microbreaks	8 ms
Dielectric strength	1500 V between independent contacts 2500 V between wired interface and earth 4000 V between coil circuit and contact circuits
Standards	IEC 60947-5-1
Product Certifications	UL LROS (Lloyds register of shipping) DNV BV CSA
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TC
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Shock resistance	50 gn 11 ms IEC 60068-2-27
Vibration resistance	6 gn 10...55 Hz)IEC 60068-2-6
Electromagnetic compatibility	1.2/50 ms shock waves immunity test IEC 255-4 Electrostatic discharge immunity test, level 3 8 kV IEC 61000-4-2 Rapid transients immunity test on input/output 1 kV IEC 61000-4-4 Rapid transients immunity test on power supply 2 kV IEC 61000-4-4
Ambient Air Temperature for Operation	-4...140 °F (-20...60 °C) at Un 23...104 °F (-5...40 °C) unrestricted operation
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Operating altitude	<= 9842.52 ft (3000 m)
Pollution degree	3 IEC 60947-5-1

## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	3389110569551
Nbr. of units in pkg.	1
Package weight(Lbs)	3.49 oz (99 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.79 in (2 cm)
Package 1 width	2.76 in (7 cm)
Package 1 Length	3.03 in (7.7 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Weight	11.18 lb(US) (5.07 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

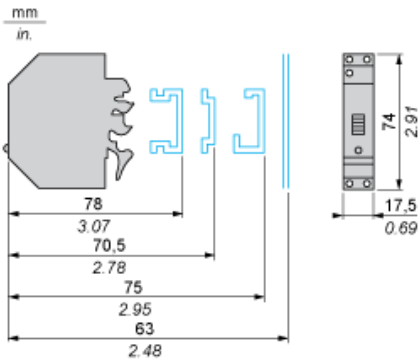
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth 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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Electromechanical Interface Module

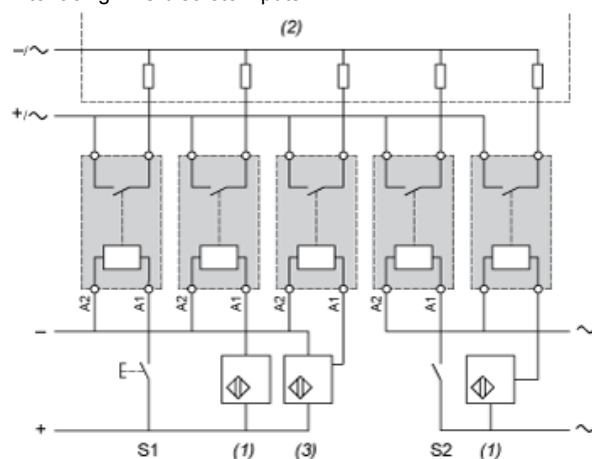
Dimensions



## Electromechanical Interface Module

### Example of Application with PLC

Interfacing PLC discrete inputs

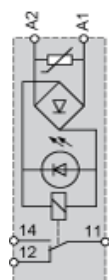


- S1, Pushbuttons series contacts
- S2
- (1) 2-wire sensors
- (2) PLC positive logic discrete inputs
- (3) 3-wire sensors

## Interface with Mechanical Indication + LED

### Circuit Diagram

1 C/O



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