



## Main

Range of Product	Interface for discrete signals
Product or Component Type	Slim solid state input interface module
Contacts type and composition	1 NC
[Uc] control circuit voltage	120...127 V
Control circuit type	AC
Control circuit frequency	60 Hz
Maximum [In] rated current	17 mA
Reverse polarity protection	Output circuit internal
Short-circuit protection	0.25 A external fuse fast blow I <sub>k</sub> ≤ 100 A DC)
Local signalling	For control signal state 1 LED
Sale per indivisible quantity	5
Width pitch dimension	0.37 in (9.5 mm)

## Complementary

Control circuit voltage limits	140 V
Voltage state 1 guaranteed	90 V
Current state 1 guaranteed	9.7 mA
Voltage state 0 guaranteed	25.4 V
Current state 0 guaranteed	2.5 mA
[Ue] rated operational voltage	5...48 V
Output circuit type	DC
Rated operational voltage limits	2...60 V
Maximum switching current	50 mA
Minimum switching current	1 mA
Residual current	0.1 mA at state 0
Drop-out voltage	1 V at state 1
Response Time	≤ 10 ms from state 0 to state 1 ≤ 20 ms from state 1 to state 0
Switching frequency	≤ 25 Hz 50 %
[Ui] rated insulation voltage	250 V VDE 0110 group C 300 V IEC 60947-1
Connections - Terminals	Screw clamp terminal
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...0.01 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 Symmetrical DIN rail Asymmetrical DIN rail
Net Weight	0.07 lb(US) (0.032 kg)

## Environment

Dielectric strength	2500 V between wired interface and earth for 1 minute 4000 V between I/O for 1 minute
Standards	IEC 60947-5-1
Product Certifications	DNV UL BV LROS (Lloyds register of shipping) CSA
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	5 gn 10...150 Hz)IEC 68-2-6
Electromagnetic compatibility	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 Fast transients immunity test level 3 on input/output 1 kV IEC 61000-4-4 Fast transients immunity test level 3 on power supply 2 kV IEC 61000-4-4 1.2/50 µs shock waves immunity test IEC 60947-1
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C) at Us 23...131 °F (-5...55 °C) unrestricted operation
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Operating altitude	<= 984.25 ft (300 m)
Pollution degree	2 IEC 60947-1

## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	3389110651614
Nbr. of units in pkg.	1
Package weight(Lbs)	1.34 oz (38 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.54 in (9 cm)
Package 1 width	2.83 in (7.2 cm)
Package 1 Length	4.02 in (10.2 cm)
Unit Type of Package 2	CAR
Number of Units in Package 2	5
Package 2 Weight	6.81 oz (193 g)
Package 2 Height	3.54 in (9 cm)
Package 2 width	2.83 in (7.2 cm)
Package 2 Length	4.02 in (10.2 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	25
Package 3 Weight	2.62 lb(US) (1.19 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

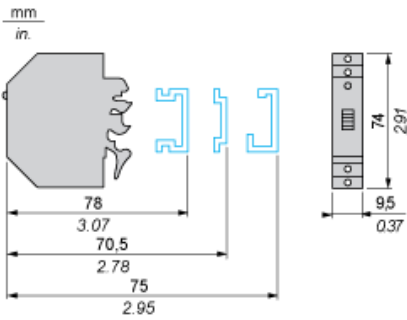
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov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

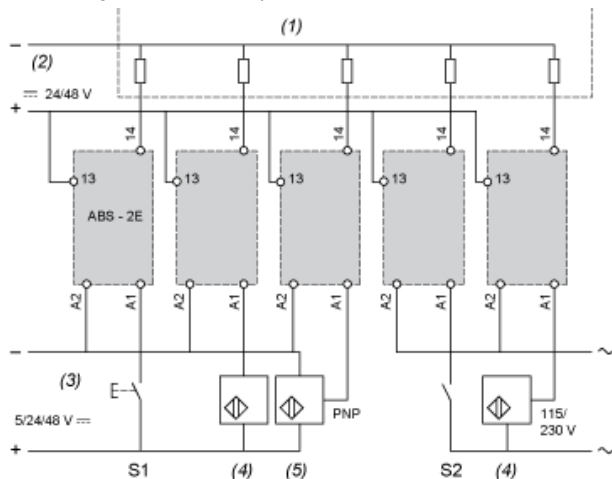
Dimensions



## Slim Solid-State Interface Module

### Example of Application with PLC

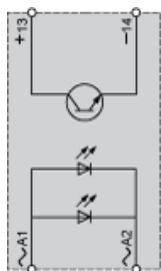
Interfacing PLC discrete inputs



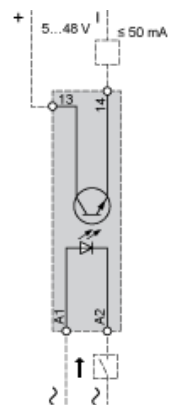
- S1, Pushbuttons series contacts
- S2
- (1) PLC positive logic discrete inputs
- (2) Processing power supply
- (3) Process power supply
- (4) 2-wire sensors
- (5) 3-wire sensors

## Solid-State Input Module

### Circuit Diagram



### Wiring Diagram



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Authorized Distributor

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ABS2EA02EF