



## Main

|  |  |
|--|--|
| Range of Product   | Interface for discrete signals   |
| Product or Component Type                                | Electromechanical output interface module  |
| Contacts type and composition                            | 1 NC + 1 NO  |
| [Uc] control circuit voltage                             | 24 V   |
| Control circuit type                                     | DC   |
| Width pitch dimension                                    | 0.69 in (17.5 mm)  |
| Maximum [In] rated current                               | 62 mA DC   |
| Reverse polarity protection                              | With   |
| Short-circuit protection                                 | 16 A external fuse gF I <sub>k</sub> ≤ 2.5 kA AC and I <sub>k</sub> ≤ 100 A DC)<br>16 A external fuse gG I <sub>k</sub> ≤ 2.5 kA AC and I <sub>k</sub> ≤ 100 A DC) |
| [I <sub>th</sub> ] conventional free air thermal current | 12 A IEC 60947-1   |
| Local signalling   | Green mechanical indicator for position of contacts 1<br>green LED control signal state  |

## Complementary

|   |  |
|---|--|
| Control circuit voltage limits              | 30 V 15 V  |
| Maximum switching voltage                   | 125 V DC   |
| Housing Colour                              | Grey   |
| Connections - Terminals                     | Screw clamp terminal   |
| Drop-out voltage                            | 3.2 V  |
| Minimum holding current                     | 6.6 mA DC  |
| Maximum power dissipation in W              | 1.5 W  |
| [U <sub>e</sub> ] rated operational voltage | ≤ 125 V DC IEC 60947-5-1<br>≤ 230 V AC IEC 60947-5-1   |
| Network Frequency                           | 50/60 Hz   |
| [I <sub>e</sub> ] rated operational current | 1 A AC-13 U <sub>e</sub> : 230 V 1000000 cycles IEC 60947-5-1<br>1 A AC-14 U <sub>e</sub> : 230 V 1000000 cycles IEC 60947-5-1<br>1 A AC-15 U <sub>e</sub> : 230 V 1000000 cycles IEC 60947-5-1<br>1 A DC-13 U <sub>e</sub> : 24 V 1000000 cycles IEC 60947-5-1<br>4 A AC-12 U <sub>e</sub> : 230 V 1000000 cycles IEC 60947-5-1<br>5 A DC-12 U <sub>e</sub> : 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<br>≤ 12 ms between de-energisation of coil and closing of NO contact<br>≤ 12 ms between energisation of coil and closing of NC contact<br>≤ 12 ms between energisation of coil and closing of NO contact   |
| Contact bounce time                         | ≤ 3 ms   |
| Overlap time                                | 1 ms   |
| Operating rate in Hz                        | 6 Hz at no-load<br>0.5 Hz at I <sub>e</sub>  |
| Mechanical durability                       | 10000000 cycles  |
| [U <sub>i</sub> ] rated insulation voltage  | 250 V IEC 60947-1<br>250 V VDE 0110 group C  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                       |   |
|-----------------------|---|
| 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<br>0.00...0.00 In <sup>2</sup> (0.6...2.5 mm <sup>2</sup> ), 1 or 2 wires flexible without cable end<br>0.00...0.00 In <sup>2</sup> (0.27...2.5 mm <sup>2</sup> ), 2 wires rigid<br>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      | Symmetrical DIN rail<br>Combination rail<br>Asymmetrical DIN rail   |
| Net Weight            | 0.20 lb(US) (0.09 kg)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Immunity to microbreaks               | 3 ms   |
| Dielectric strength                   | 1500 V for 1 minute between independent contacts<br>2500 V for 1 minute between wired interface and earth<br>4000 V for 1 minute between coil circuit and contact circuits   |
| Standards                             | IEC 60947-5-1  |
| Product Certifications                | LROS (Lloyds register of shipping)<br>BV<br>DNV<br>UL<br>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<br>Electrostatic discharge immunity test, level 3 8 kV IEC 61000-4-2<br>Rapid transients immunity test on input/output 1 kV IEC 61000-4-4<br>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<br>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                  | 3389110569667                     |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 3.42 oz (97 g)                    |
| Returnability         | No                                |
| Country of origin     | FR                                |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Package 1 Height             | 1.18 in (3 cm)          |
| Package 1 width              | 2.95 in (7.5 cm)        |
| Package 1 Length             | 3.54 in (9 cm)          |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 50                      |
| Package 2 Weight             | 11.04 lb(US) (5.006 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

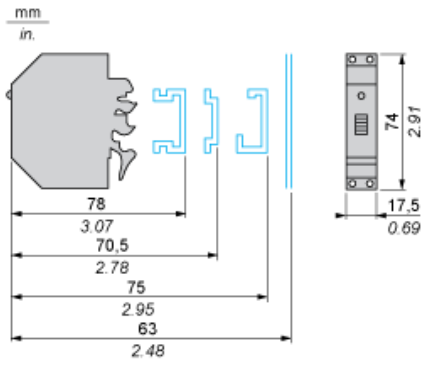
|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl 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 |
|----------|-----------|

Electromechanical Interface Module

Dimensions



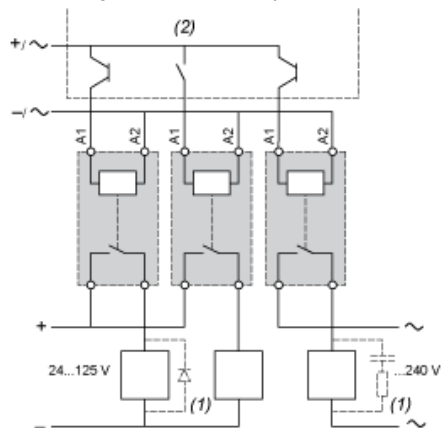
---

Electromechanical Interface Module

---

Example of Application with PLC

Interfacing PLC discrete outputs



- (1) Essential on inductive loads (can be replaced with peak limiter)
- (2) PLC positive logic transistor (or relay) outputs

---

Interface with Mechanical Indication

---

Circuit Diagram

1 N/C + 1 N/O

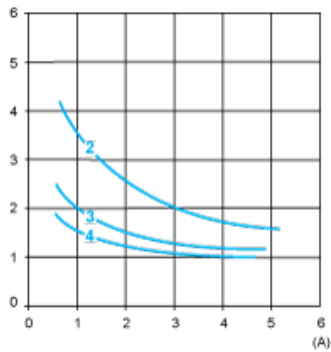


Electrical Durability of Contacts

AC Loads

Test conditions: in accordance with standard IEC 947-5-1 set up for rated control voltage, operating rate: 1800 cycles/hour. (0.5 Hz).

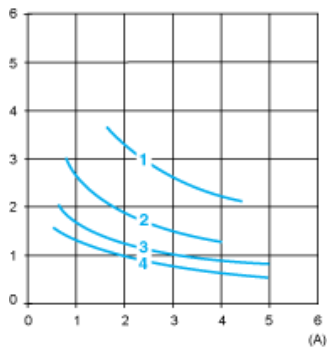
AC-12 operating cycles in millions



AC-12 Control of resistive loads and isolated solid state loads via optocoupler ( $\cos \phi \geq 0.9$ )

- (1) 24 V
- (2) 48 V
- (3) 127 V
- (4) 230 V

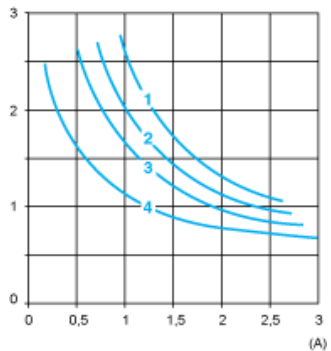
AC-13 operating cycles in millions



AC-13 Control of isolated solid state loads via transformer ( $\cos \phi \geq 0.65$ )

- (1) 24 V
- (2) 48 V
- (3) 127 V
- (4) 230 V

AC-14 and AC-15 operating cycles in millions



AC-14 Control of weak electromagnetic loads of electromagnets  $\leq 72$  VA (make:  $\cos \phi = 0.3$ , break:  $\cos \phi = 0.3$ )

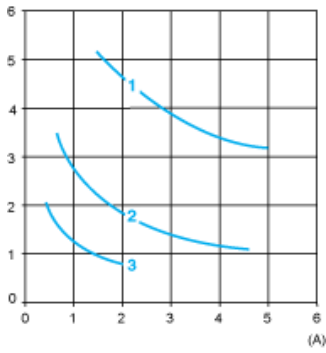
AC-15 Control of electromagnetic loads of electromagnets  $> 72$  VA (make:  $\cos \phi = 0.7$ , break:  $\cos \phi = 0.4$ )

- (1) 24 V
- (2) 48 V
- (3) 127 V
- (4) 230 V

## DC Loads

Test conditions: in accordance with standard IEC 947-5-1 set up for rated control voltage, operating rate: 1800 cycles/hour. (0.5 Hz).

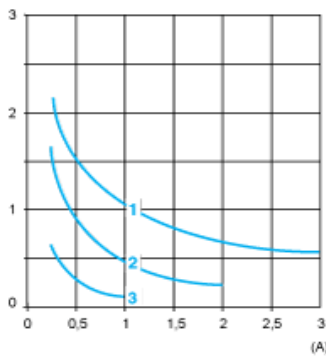
DC-12 operating cycles in millions



DC-12 Control of resistive loads and isolated solid state loads via optocoupler ( $L/R \leq 1$  ms)

- (1) 24 V
- (2) 48 V
- (3) 127 V

DC-13 operating cycles in millions



DC-13 Control of electromagnets ( $L/R \leq 2 \times (U_e \times I_e)$  in ms, with  $U_e$ : rated operating voltage and  $I_e$ : rated operating current)

- (1) 24 V
- (2) 48 V
- (3) 127 V

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Industrial Relays](#) category:*

*Click to view products by [Schneider](#) manufacturer:*

Other Similar products are found below :

[6-1617801-8](#) [6-1618107-9](#) [7-1618273-3](#) [EV250-4A-02](#) [EV250-6A-01](#) [FCA-125-CX8](#) [FCA-325-159](#) [FCA-410-138](#) [8000-S3121](#) [8-1618273-6](#)  
[8-1618393-1](#) [GCA63A220VAC60HZ](#) [GCA63A277VAC60HZ](#) [GCA63A600VAC60HZ](#) [1-1672275-3](#) [1-1833005-4](#) [H-16/S1](#) [A711Z](#) [H-8C](#)  
[H-8/S11](#) [H-8/S68](#) [ACC530U20](#) [ACC730U30](#) [RF303ZM4-12](#) [DH18DA](#) [1423675-8](#) [AR4-15F13-C01](#) [AR7-41F11](#) [AVR907](#) [15732A200](#)  
[B07B032AC1-0329](#) [B329](#) [B490A](#) [1618279-1](#) [BHR124Y](#) [1810DDB-SX](#) [N417](#) [P30C42A12D1-120](#) [2-1617748-6](#) [2-1618375-1](#) [2-1618396-6](#)  
[2-1618398-1](#) [JMAPD-5XL](#) [JMGACD-5M](#) [JMGSC-5LW](#) [JMGSCD-5L](#) [PBO-18A1218](#) [PBO-40A3040](#) [K8DSPH1200480VAC](#) [KA-3C-12A](#)