

ABS2SA01MB

izlazni modul sučelja – 9,5 mm – poluvodič –
24..230 V AC – 2,3 A



Main

Range of product	Interface for discrete signals
Product or component type	Slim solid state output interface module
Contacts type and composition	1 NC
[Uc] control circuit voltage	24 V
Control circuit type	DC
Maximum [In] rated current	13,6 mA
Reverse polarity protection	Control circuit internal Output circuit internal
Short-circuit protection	3,15 A external fuse fast blow I _k ≤ 1 kA AC and I _k ≤ 100 A DC)
[I _{th}] conventional free air thermal current	2,3 A 40 °C
Local signalling	Green mechanical indicator for position of contacts 1 green LED control signal state
Sale per indivisible quantity	5
Width pitch dimension	9,5 mm

Complementary

Control circuit voltage limits	28.8 V
Voltage state 1 guaranteed	16.9 V
Current state 1 guaranteed	8.3 mA
Voltage state 0 guaranteed	5.3 V
Current state 0 guaranteed	2 mA
[U _e] rated operational voltage	24...240 V
Output circuit type	AC
Rated operational voltage limits	≤ 264 V
[I _e] rated operational current	1 A AC-15 vertical position, single product IEC 60947-5-1 1,6 A AC-13 vertical position, single product IEC 60947-5-1 1,6 A AC-14 vertical position, single product IEC 60947-5-1 1,9 A AC-12 vertical position, single product IEC 60947-5-1 0,5 A AC-12 vertical position, touching product IEC 60947-5-1 0,5 A AC-13 vertical position, touching product IEC 60947-5-1 0,5 A AC-14 vertical position, touching product IEC 60947-5-1 0,5 A AC-15 vertical position, touching product IEC 60947-5-1
Minimum switching current	10 mA
Maximum residual current	2,5 mA
Drop-out voltage	3 V 1,5 V
DV/dt	500 V/μs
0 crossing voltage	50 V peak
Response time	≤ 10 ms from state 0 to state 1 50 Hz ≤ 10 ms from state 1 to state 0 50 Hz ≤ 8 ms from state 0 to state 1 60 Hz ≤ 8 ms from state 1 to state 0 60 Hz

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.

Switching frequency	<= 0.6 Hz AC-13 module alone 40 % <= 0.6 Hz AC-14 module alone 40 % <= 0.6 Hz AC-15 module alone 40 % <= 50 Hz on resistive load 50 %
[Ui] rated insulation voltage	250 V VDE 0110 group C 300 V IEC 60947-1
Flame retardance	V0 UL 94
Cable cross section	0,34...2,5 Mm ² , 1 or 2 wires flexible with cable end screw clamp terminal 0,27...4 Mm ² , 1 wire rigid 0,6...2,5 mm ² , 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
Neto težina	0,34 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	UL LROS (Lloyds register of shipping) DNV CSA BV
IP degree of protection	IP20 IEC 60529
Protective treatment	TC
Fire resistance	960 °C IEC 60695-2-1
Shock resistance	30 gn 11 ms IEC 60068-2-27
Vibration resistance	5 gn 10...150 Hz)IEC 60068-2-6
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	-25...70 °C at Us -5...55 °C unrestricted operation
Ambient air temperature for storage	-40...80 °C
Operating altitude	<= 3000 m
Pollution degree	2 IEC 60947-1

Offer Sustainability

Direktiva EU RoHS	Proaktivna sukladnost (proizvod izvan zakonskog okvira direktive EU RoHS) Izjava EU RoHS
Bez žive	Da
Informacije o RoHS izuzeću	Da
Propis RoHS za Kinu	Izjava RoHS Za Kinu
WEEE	Proizvod se na tržištima EU mora odlagati u skladu sa specifičnim propisima o prikupljanju otpada; nikako se ne smije odlagati s komunalnim otpadom.

Contractual warranty

Jamstvo	18 months
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