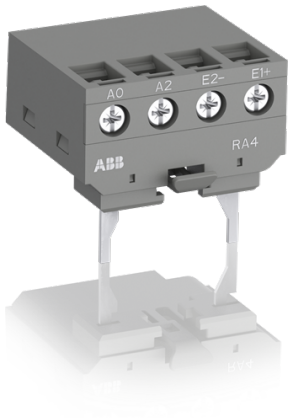
PRODUCT-DETAILS

RA4

RA4 Interface Relay



General Information

Extended Product Type	RA4
Product ID	1SBN060100R1000
EAN	3471523131149
Catalog Description	RA4 Interface Relay
Long Description	RA4 interface relay is designed to receive 24 V DC signals delivered by PLC's or other sources with a low output power and to restore them with sufficient power to operate the coils of the relevant AF09 ... AF96 contactors or the NF contactor relays. RA4 interface relay is made up of a miniature electromechanical relay equipped with a N.O. contact and with a low consumption 24 V DC coil. The interface relay coil is controlled by the PLC while the N.O. contact ensures switching of the power contactor. Coil switching gives rise to overvoltages which have adverse effects on the electronic devices, insulators and, more generally, on component lifetime. The RA4 is protected from surge thanks to the built-in surge protection of AF09 ... AF96. Furthermore, the RA4 is protected against relay pole reversal by a diode inserted between the E1 and E2 input terminals. Connection The "E1+" and "E2–" input terminals must be connected, according to their polarity, to the PLC-output. The RA4 is equipped with two terminal pads for connection to the A1 and A2 terminals of the contactor coil. This coil is supplied between the A0 and A2 terminals of the RA4. Mounting Remove the coil terminal block from the contactor and clip the interface relay without any screwing operation.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Product Main Type	Accessories for Block Contactors

Popular Downloads

Instructions and Manuals	1SBC101051M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	44.8 mm
Product Net Depth / Length	31.16 mm
Product Net Height	40.5 mm
Product Net Weight	0.04 kg

Technical

Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm²
Connecting Terminals (delivered in open position)	M3.5
Electrical Durability	2000000 cycle
Maximum Electrical Switching Frequency	600 cycles per hour
Pollution Degree	3
Rated Control Circuit Voltage (U_c)	DC Operation 24 V
Rated Insulation Voltage (U_i)	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 250 V AC 50/60 Hz
Recommended Screw Driver	Control Circuit Pozidriv 2 Control Circuit Slot Control Circuit 5.5
Standards	IEC 60947-5-1
Suitable For	AF09 AF09Z AF12 AF12Z AF16 AF16Z AF26 AF26Z AF30 AF30Z AF38 AF38Z AF40 AF52 AF65

	AF80 AF96 NF22E NFZ22E NF31E NFZ31E NF40E NFZ40E NF44E NFZ44E NF53E NFZ53E NF62E NFZ62E NF71E NFZ71E NF80E NFZ80E NF33/11 NF51/11
Terminal Type	Screw Terminals
Tightening Torque	Control Circuit 1.2 N·m
Wire Stripping Length	Control Circuit 10 mm

Technical UL/CSA

Tightening Torque UL/CSA	Control Circuit 11 in·lb

Environmental

Ambient Air Temperature	Close to Contactor for Storage -40 ... +70 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	Without Derating 3000 m
RoHS Information	2CMT2021-006277
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations (Document Number)

CB Certificate	CB_SE-93026
CCC Certificate	CCC_2019010303254504
CQC Certificate	CQC2019010303254504
Declaration of Conformity - CCC	2020980303000187
Declaration of Conformity - CE	1SBD250010U1000
Declaration of Conformity - UKCA	1SBD250041U1000
Environmental Information	1SBD250197E1000
Instructions and Manuals	1SBC101051M6801
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
UL Certificate	UL_20150918-E252354-9-3

UL Listing Card	UL_E252354

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	54 mm
Package Level 1 Depth / Length	54 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.04 kg
Package Level 1 EAN	3471523131149

Classifications

eClass	V11.1 : 27371392
ETIM 6	EC002498 - Accessories for low-voltage switch technology
ETIM 7	EC002498 - Accessories for low-voltage switch technology
ETIM 8	EC002498 - Accessories/spare parts for low-voltage switch technology

Where Used (as part of "kit")

Identifier	Description	Type
3HAC060878-001	Contactor replacement set K1/K2	Kit

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors Accessories

Robotics → Controllers → S4