UM-2KS50-RM/16MR/24/SDV144/SO - Relay module

2901585

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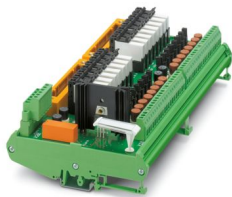
16-channel VARIOFACE input relay module with screw connection and 50-pos. system connection, coil side is protected and non-isolated (optional), for Yokogawa SDV 144 cards, module width: 240 mm

Commercial data

Item number	2901585
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2A9N
GTIN	4046356612555
Weight per piece (including packing)	678 g
Weight per piece (excluding packing)	650 g
Customs tariff number	85364900
Country of origin	DE

Technical data

Product properties

Product type	Interface module

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)

Supported controller YOKOGAWA ProSafe-RS

Suitable I/O card	SDV144

Input data

Nominal input voltage U_N	24 V AC/DC (Supply, (P1+, P2+), pluggable fuse (IEC 60127-3/IV, 1AT))
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Typical input current at U_N	4 mA (±10 % per channel, pluggable fuse (IEC 60127-3/IV, 0.05AT))
Protective circuit	Freewheeling diode
	Reverse polarity protection; Polarity protection diode
Operating voltage display	Green LED
Status display/channel	Red LED (fuse failure display)

Output data

Switching

Contact switching type	1 N/O contact
Contact material	AgSnO, hard gold-plated
Maximum switching voltage	24 V AC/DC
Limiting continuous current	50 mA
Maximum inrush current	1 A (Supply 24 V DC/2 A, (P1+, P2+), pluggable fuse (IEC 60127-3/IV, 2AT))

Connection data

Supply

Connection method	Screw connection
Number of positions	6
Conductor cross-section rigid	0.34 mm² ... 2.5 mm²

Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Controller level

Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	50
Tightening torque	0.5 Nm

Field level

Connection method	Screw connection
Number of connections	2
Number of positions	20
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Signaling

Status display present	yes

Dimensions

Width	240 mm
Height	125.5 mm
Depth	76 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1

Mounting

Mounting type	DIN rail mounting
Mounting position	any

Notes

Notes on operation	Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display.
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-

party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 9.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	81ff2191-9362-405c-a2bb-ff3256abae01