UMK- 8 OM-R/MF - Active module

2970921

https://www.phoenixcontact.com/us/products/2970921

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Commercial data

Item number	2970921
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	DK2191
GTIN	4017918088071
Weight per piece (including packing)	318 g
Weight per piece (excluding packing)	281.37 g
Customs tariff number	85364190
Country of origin	DE

Technical data

Notes

Notes on operation	Observe the maximum switching power of the relays used
Notes on operation	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
Notes on operation	The necessary requirements for insulation (basic insulation or reinforced insulation) from adjacent modules (in DIN-rail direction) must be realized by applying suitable measures (e. g., partition plates).
Notes on operation	Adjacent channels are not suitable for switching different line conductors.
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.

Product properties

Product type	Relay Module
Operating mode	100% operating factor

Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Safe isolation, reinforced insulation
Overvoltage category	III
Pollution degree	2

Insulation characteristics: Air and creepage distances, output/output

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Electrical properties

Air clearances and creepage distances, input/output

Rated insulation voltage	300 V
Rated surge voltage	6 kV (1.2/50 µs)

Air and creepage distances, output/output

Rated insulation voltage	300 V
Rated surge voltage	6 kV (1.2/50 µs)

Input data

Nominal input voltage U_N	24 V DC
Input voltage range	32 V DC
Typical input current at U_N	Related to the assembly
Status display/channel	Yellow LED

Output data

Switching

Maximum switching voltage	250 V AC
	63 V DC
Limiting continuous current	4 A
Output fuse	4 A Slow-blow (TR 5) (max. fuse breaking capacity: 40 A)

Connection data

Input

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	16

Output

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm² ... 6 mm²
Conductor cross-section flexible	0.2 mm² ... 4 mm²
Conductor cross-section AWG	24 ... 10

Dimensions

Width	180 mm
Height	77 mm
Depth	80 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, input/output

Standards/regulations	EN 61010-2-201

Air and creepage distances, output/output

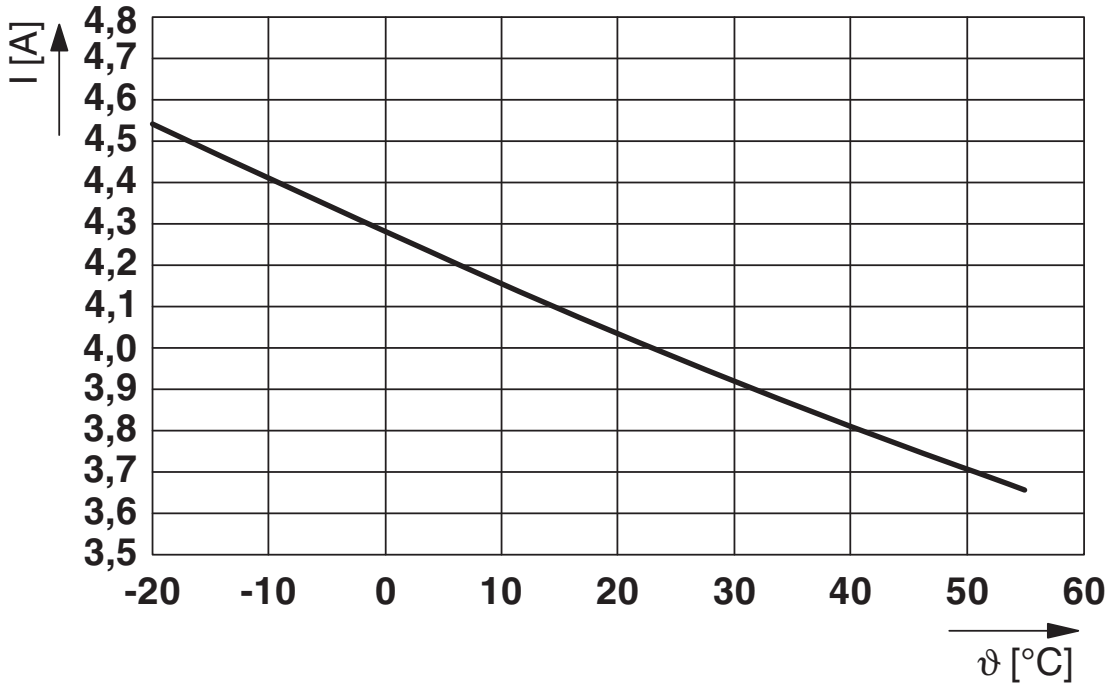
Standards/regulations	EN 61010-2-201

Mounting

Assembly note	in rows with zero spacing
Mounting position	any

Drawings

Diagram



TR5 fuse derating curve

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 9.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

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.)	No substance above 0.1 wt%

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