

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	CK2291
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

General	Observe the maximum switching capacity of the relays used
General	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
General	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).
General	Adjacent channels are not suitable for switching different line conductors.
General	For proper use, the specifications of the installation directive (see Downloads) must be observed.

Product properties

Product type	Relay Module
Operating mode	100% operating factor

Insulation characteristics

Insulation	Safe isolation, reinforced insulation
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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

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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 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
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
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Air and creepage distances, output/output

Standards/regulations	EN 61010-2-201
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Mounting

Assembly instructions	in rows with zero spacing
Mounting position	any

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2970921>



cUL Recognized
Approval ID: FILE E 238705



UL Recognized
Approval ID: FILE E 238705



EAC
Approval ID: RU*DE*08.B.01841/19

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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 8.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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