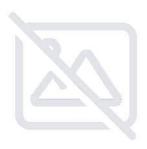


2970921

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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



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## 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
Insulation	

#### 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

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

# 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 <sub>N</sub>	24 V DC
Input voltage range	32 V DC
Typical input current at U <sub>N</sub>	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

T	
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 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

UNSPSC 21.0

#### **ECLASS**

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152
ETIM	
ETIM 8.0	EC002780
UNSPSC	

39121400



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# Environmental product compliance

REACh SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years

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