

# UM-D25SUB/F/16DI-RELS/SC049 - Active module



2905751

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16-channel digital input module with spring connection and 25-pos. D-SUB miniature socket strip, plug-in relay base for mounting 5 V DC or 24 V DC optocouplers, module width: 240 mm

## Commercial data

Item number	2905751
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	DK2A92
GTIN	4046356995498
Weight per piece (including packing)	552 g
Weight per piece (excluding packing)	552 g
Country of origin	DE

## Technical data

### Notes

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.
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area

### Product properties

Product type	Relay Module
Insulation characteristics: Air clearances and creepage distances, input/output	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Air clearances and creepage distances, input/output	
Rated surge voltage	2.5 kV (50 Hz, 1 min.) (The specified data only applies in connection with the optocouplers listed under "required accessories")

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Typical input current at $U_N$	1 A (per channel)

### Output data

Switching	
Maximum switching voltage	24 V DC
Limiting continuous current	1 A (per channel (2-conductor, floating))

### Connection data

Controller level	
Connection in acc. with standard	DIN 41652/IEC 60807-2
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of positions	25
Field level	
Connection method	Spring-cage connection

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	no
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## Dimensions

Width	240 mm
Height	143 mm
Depth	65 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	DIN EN 50178: 1998-04
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## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-50</div> <div>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.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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