

# UM-D25SUB/F/M/16DO-RELS/SC049 - Active module



2905752

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16-channel digital output module with spring-cage connection and 25-pos. D-SUB miniature socket strip and 25-pos. D-SUB miniature pin strip, plug-in relay base for fitting 60 V DC or 24 V DC optocouplers, module width: 365 mm

## Commercial data

Item number	2905752
Packing unit	1 pc
Minimum order quantity	30 pc
Product key	DK2A92
GTIN	4046356995511
Weight per piece (including packing)	1,257 g
Weight per piece (excluding packing)	1,257 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	Reinforced insulation
Overvoltage category	III
Pollution degree	2
Insulation characteristics: Air and creepage distances, output/output	
Insulation	Basic 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 $\mu$ s)
Air and creepage distances, output/output	
Rated insulation voltage	300 V
Rated surge voltage	4 kV (1.2/50 $\mu$ s)

### Input data

Nominal input voltage $U_N$	24 V
Input voltage range in reference to $U_N$	0.9 ... 1.1
Typical input current at $U_N$	1 A (per channel)
Protective circuit	Freewheeling, LED; Freewheeling diode, LED

### Output data

Switching	
Contact switching type	Single contact, 1 changeover contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC

Limiting continuous current	2 A (per channel)
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## Connection data

### Controller level

Connection in acc. with standard	DIN 41652/IEC 60807-2
Connection method	D-SUB-25 male/D-SUB-25 female
Number of positions	25

### Field level

Connection method	Spring-cage connection
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Dimensions

Width	365 mm
Height	143 mm
Depth	68 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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### Air and creepage distances, output/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

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## 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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