

UM 45-FLK50/32IM/ZFKDS/WB/PLC - Passive module



2969042

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Commercial data

Item number	2969042
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK21A1
GTIN	4017918992002
Weight per piece (including packing)	297.7 g
Weight per piece (excluding packing)	266.28 g
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Operating mode	100% operating factor

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Max. permissible current	1 A (per path)
Max. permissible total current	2 A (per byte, via IDC/FLK pin strip)
	8 A (via minus terminal connections and wire bridges)
	2 A (via plus terminal connections and wire bridges)

Air clearances and creepage distances

Rated insulation voltage	100 V
Rated surge voltage	0.8 kV

Connection data

Field level

Connection method	Spring-cage connection
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 14

Controller level

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Dimensions

Item dimensions

Width	204.8 mm
Height	45 mm
Depth	60.8 mm

Environmental and real-life conditions

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Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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Mounting

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

Notes

Notes on operation	No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC).
Notes on operation	At least one functional insulation against adjacent modules is complied with (in the support rail direction). If the application has stricter requirements for the insulation (basic insulation or reinforced insulation), they must be realized by applying suitable measures (e. g. partition plates).
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.

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Classifications

UNSPSC

UNSPSC 21.0	39121432
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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