

UM-EC56/56/KDS3-PMT/XUL - Termination board

2976653

<https://www.phoenixcontact.com/us/products/2976653>



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Termination board, connection 1: EDAC / ELCO pin strip 1x 56-position (ELCO pin strip type 8016/EDAC pin strip type 516, left), connection 2: Screw connection with disconnect knife 55-position

Commercial data

Item number	2976653
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	DK2A86
GTIN	4017918089429
Weight per piece (including packing)	590.5 g
Weight per piece (excluding packing)	590.5 g
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Number of positions	56

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Ovvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 50 V
Current (per branch)	≤ 2 A
Current (Total current)	≤ 55 A

Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)

Connection data

Connection 1 (control level)

Connection method	EDAC / ELCO pin strip
Coding	1-1
Number of connections	1
Number of positions	56
Note	ELCO pin strip type 8016/EDAC pin strip type 516, left
Pitch	3.81 mm

Connection 2 (field level)

Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Number of positions	55
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm ² ... 1 mm ²
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve)
	0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm ² ... 1 mm ²
	0.25 mm ² ... 0.75 mm ² (Ferrule without plastic sleeve)
	0.5 mm ² ... 1 mm ² (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 12

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Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

Signaling

Status display present	no
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Dimensions

Item dimensions	
Width	180 mm
Height	110 mm
Depth	60 mm

Environmental and real-life conditions

Ambient conditions	
Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
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	EN IEC 60664-1

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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.
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Classifications

ECLASS

ECLASS-13.0	27141152
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ETIM

ETIM 8.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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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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