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DATA SHEET

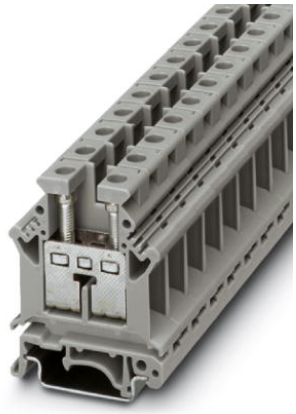
UK 16 N
TERMINAL BLOCK

Based on Phoenix Contact Catalog

Extract from the online catalog

UK 16 N

Order No.: 3006043



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3006043

Feed-through modular terminal block, Type of connection: Screw connection, Cross section: 2.5 mm² - 25 mm², AWG 12 - 4, Width: 12.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

Product notes

WEEE/RoHS-compliant since: 01/01/2003

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Commercial data	
EAN	4017918091309
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.023601 KG
Catalog page information	Page 345 (CL-2009)

Technical data

General

Number of levels	1
Number of connections	2
Color	gray

Insulating material	PA
Inflammability class acc. to UL 94	V0

Dimensions

Width	12.2 mm
Length	42.5 mm
Height NS 35/7,5	54 mm
Height NS 35/15	61.5 mm
Height NS 32	59 mm

Technical data

Maximum load current	101 A (with 25 mm^2 conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	76 A
Nominal voltage U_N	800 V
Open side panel	ja

Connection data

Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	25 mm²
Conductor cross section stranded min.	4 mm²
Conductor cross section stranded max.	16 mm²
Conductor cross section AWG/kcmil min.	12
Conductor cross section AWG/kcmil max	4
Conductor cross section stranded, with ferrule without plastic sleeve min.	1.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm²
2 conductors with same cross section, solid min.	1.5 mm²
2 conductors with same cross section, solid max.	6 mm²

2 conductors with same cross section, stranded min.	1.5 mm²
2 conductors with same cross section, stranded max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm²
Cross-section with insertion bridge, solid max.	16 mm²
Cross-section with insertion bridge, stranded max.	16 mm²
Type of connection	Screw connection
Stripping length	11 mm
Internal cylindrical gage	B7
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

Certificates / Approvals

Certification	ABS, BV, CB, CCA, CSA, CUL, KEMA, KR, LR, NK, PRS, RS, UL
Certification Ex:	CUL-EX, FM, GL-EX, IECEx, KEMA-EX, UL-EX

CSA

Nominal voltage U_N	600 V
Nominal current I_N	85 A
AWG/kcmil	22-4

CUL

Nominal voltage U_N	600 V
Nominal current I_N	85 A
AWG/kcmil	22-4

UL

Nominal voltage U_N	600 V
Nominal current I_N	85 A
AWG/kcmil	22-4

Accessories

Item	Designation	Description
Assembly		
3003224	ATP-UK	Partition plate, Length: 56 mm, Width: 1.5 mm, Height: 59 mm, Color: gray
3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray
3006027	D-UK 16	End cover for modular terminal blocks, Length: 42.5 mm, Width: 1.5 mm, Height: 54 mm, Color: gray
1201442	E/UK	End clamp, for assembly on NS 32 or NS 35/7,5 DIN rail
1024250	EA 7	Single covers, color: transparent
0800747	EA 7-WS	Single covers, for covering one terminal block, with black symbol (lightning flash) snap fit, color: transparent/yellow
1201028	NS 32 AL UNPERF 2000MM	G rail 32 mm (NS 32)
1201280	NS 32 CU/120QMM UNPERF 2000MM	G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m
1201358	NS 32 CU/35QMM UNPERF 2000MM	G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m
1201002	NS 32 PERF 2000MM	G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m
1201015	NS 32 UNPERF 2000MM	G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m
0801762	NS 35/ 7,5 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801733	NS 35/ 7,5 PERF 2000MM	DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m
0801681	NS 35/ 7,5 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m
1201756	NS 35/15 AL UNPERF 2000MM	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1201730	NS 35/15 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m

1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m
1302215	TS-K	Separating plate, Length: 22.7 mm, Height: 30.5 mm, Color: gray

Bridges

3006137	EB 10-12	Cross connector/jumper for modular terminal block, Number of positions: 10, Color: gray
0200075	FBI 2-12	Cross connector/jumper for modular terminal block, Number of positions: 2, Color: aluminum
0203454	FBI 10-12	Cross connector/jumper for modular terminal block, Number of positions: 10, Color: silver

Marking

1050525	ZB10:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements

Plug/Adapter

2798035	PAD 2,3/10/16 GN	Connector, color: green
2798064	PAD 4/10/16 GN	Connector, color: green
0311647	PS-MT	Test plugs
0303299	PSB 4/7/6	Female test connector, Color: silver
0303406	PSBJ 4/15/6 BK	Test plug socket, insulated, Color: black
0303354	PSBJ 4/15/6 BU	Test plug socket, insulated, Color: blue
0303419	PSBJ 4/15/6 FARBLOS	Test plug socket, insulated, Color: transparent
0303370	PSBJ 4/15/6 GN	Test plug socket, insulated, Color: green
0303396	PSBJ 4/15/6 GY	Test plug socket, insulated, Color: gray
0303325	PSBJ 4/15/6 RD	Test plug socket, insulated, Color: red
0303383	PSBJ 4/15/6 VT	Test plug socket, insulated, Color: violet
0303312	PSBJ 4/15/6 WH	Test plug socket, insulated, Color: white
0303367	PSBJ 4/15/6 YE	Test plug socket, insulated, Color: yellow

Drawings

Circuit diagram

Approbationslogos (EX-Bereich)