Feed-through terminal block - UK 35 N - 3074130

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Feed-through terminal block, Connection method: Screw connection, Load current : 125 A, Cross section: 10 mm² - 35 mm², AWG 8 - 2, Width: 15.1 mm, Color: gray

Product Features

- The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- Optimum screwdriver guidance through closed screw shafts
- The multi-conductor connection offers maximum flexibility and wiring density

Key commercial data

package_quantity	50
GTIN	4046356347297

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Maximum load current	125 A
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	125 A
Nominal voltage U_N	800 V
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed

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Technical data

General

Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	10 mm² / 2 kg
Bending test conductor cross section/weight	35 mm² / 6.8 kg
Result of bending test	Test passed
Conductor cross section tensile test	10 mm²
Tractive force setpoint	90 N
Conductor cross section tensile test	35 mm²
Tractive force setpoint	190 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	10 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	35 mm²
Short-time current	4.2 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.02 g²/Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

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Technical data

General

Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	15.1 mm
Length	54.5 mm
Height NS 35/7,5	62.1 mm

Connection data

Note	Terminal point
Conductor cross section solid min.	10 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG/kcmil min.	8
Conductor cross section AWG/kcmil max	2
Conductor cross section stranded min.	10 mm²
Conductor cross section stranded max.	35 mm²
Min. AWG conductor cross section, stranded	8
Max. AWG conductor cross section, stranded	2
Conductor cross section stranded, with ferrule without plastic sleeve min.	10 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	10 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm²
2 conductors with same cross section, solid min.	6 mm²
2 conductors with same cross section, solid max.	16 mm²
2 conductors with same cross section, stranded min.	6 mm²
2 conductors with same cross section, stranded max.	10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	6 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.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm²
Connection method	Screw connection
Stripping length	16 mm
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

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classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

approvals

GOST / GOST /

Approval details

GOST

accessories

Screwdriver tools

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accessories

SZS 1,0X6,5 VDE - 1205079

Cover profile

AP 3 CM - 5022876

AP 3-TNS 35 - 5022672

Bridge

KBI- 15 - 0205203

FBI 2-15 - 0201333

Mounting rail

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accessories

NS 35/ 7,5 PERF 2000MM - 0801733

NS 35/ 7,5 UNPERF 2000MM - 0801681

NS 35/ 7,5 WH PERF 2000MM - 1204119

NS 35/ 7,5 WH UNPERF 2000MM - 1204122

NS 35/ 7,5 AL UNPERF 2000MM - 0801704

NS 35/ 7,5 ZN PERF 2000MM - 1206421

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accessories

NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

NS 35/ 7,5 CU UNPERF 2000MM - 0801762

NS 35/ 7,5 CAP - 1206560

NS 35/15 PERF 2000MM - 1201730

NS 35/15 UNPERF 2000MM - 1201714

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accessories

NS 35/15 WH PERF 2000MM - 0806602

NS 35/15 WH UNPERF 2000MM - 1204135

NS 35/15 AL UNPERF 2000MM - 1201756

NS 35/15 ZN PERF 2000MM - 1206599

NS 35/15 ZN UNPERF 2000MM - 1206586

NS 35/15 CU UNPERF 2000MM - 1201895

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accessories

NS 35/15 CAP - 1206573

NS 35/15-2,3 UNPERF 2000MM - 1201798

Terminal marking

ZB 16:UNPRINTED - 0827461

UC-TM 16 - 0819217

UCT-TM 16 - 0829146

Labeled terminal marker

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accessories

ZB 16 CUS - 0827463

UC-TM 16 CUS - 0824621

UCT-TM 16 CUS - 0829637

Test plug terminal block

PS-MT - 0311647

Insulating sleeve

PS-IH WH - 0311566

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accessories

PS-IH RD - 0311579

PS-IH BU - 0311582

PS-IH YE - 0311595

PS-IH GN - 0311605

PS-IH GY - 0311621

PS-IH BK - 0311634

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accessories

PS-IH VT - 0311618

End block

E/UK - 1201442

E/UK 1 - 1201413

CLIPFIX 35 - 3022218

CLIPFIX 35-5 - 3022276

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accessories

E/NS 35 N - 0800886

Test socket

PSB 6/5/6 - 0205290

Drawings

Circuit diagram