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Feed-through terminal block - UK 35 - 3008012

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.75 mm² - 50 mm², AWG: 18 - 0/1, Width: 16 mm, Color: gray, Mounting type: NS 35/7.5, NS 35/15, NS 32

Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 213 (CL-2005)
GTIN	4 017918 091552
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

General

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

Dimensions

Width	16 mm
Length	50 mm
Height NS 35/7,5	62 mm
Height NS 35/15	69.5 mm
Height NS 32	67 mm

Technical data

Maximum load current	150 A (with 50 mm^2 conductor cross section)
Rated surge voltage	8 kV

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Technical data

Technical data

Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	150 A
Nominal voltage U_N	1000 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
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 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	0.75 mm² / 0.4 kg
Bending test conductor cross section/weight	35 mm² / 6.8 kg
Bending test conductor cross section/weight	50 mm² / 9.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.75 mm²
Tractive force setpoint	30 N
Conductor cross section tensile test	35 mm²
Tractive force setpoint	190 N
Conductor cross section tensile test	50 mm²
Tractive force setpoint	236 N
Tensile test result	Test passed
Tight fit on carrier	NS 32/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
Conductor cross section short circuit testing	50 mm²
Short-time current	6 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed

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Technical data

Technical data

Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section stranded min.	0.75 mm²
Conductor cross section stranded max.	35 mm²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	0/1
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.75 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm²
2 conductors with same cross section, solid min.	0.75 mm²
2 conductors with same cross section, solid max.	16 mm²
2 conductors with same cross section, stranded min.	0.75 mm²
2 conductors with same cross section, stranded max.	10 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.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm²
Connection method	Screw connection
Stripping length	16 mm
Internal cylindrical gage	B9
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

Classifications

ETIM

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

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Classifications

UNSPSC

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

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

Approvals

Approvals

Approvals

CSA / UL Recognized / KEMA-KEUR / GOST / LR / BV / RS / ABS / PRS / KR / NK / CCA / IECEE CB Scheme / KEMA-KEUR / GL / GOST

Ex Approvals

IECEx / ATEX / FM approved / UL Recognized / cUL Recognized / GL / cULus Recognized

Approvals submitted

Approval details

CSA

		B	C
mm²/AWG/kcmil	18	18	
Nominal current IN	150 A	150 A	
Nominal voltage UN	600 V	1000 V	

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Feed-through terminal block - UK 35 - 3008012

Approvals

UL Recognized

mm²/AWG/kcmil	18
Nominal current IN	150 A
Nominal voltage UN	600 V

KEMA-KEUR

mm²/AWG/kcmil	35
Nominal voltage UN	1000 V

GOST

LR

BV

RS

ABS

mm²/AWG/kcmil	18
Nominal current IN	150 A
Nominal voltage UN	1000 V

PRS

KR

NK

CCA

mm²/AWG/kcmil	35

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Approvals

IECEE CB Scheme

mm²/AWG/kcmil	35
Nominal voltage UN	1000 V

KEMA-KEUR

mm²/AWG/kcmil	35
Nominal voltage UN	1000 V

GL

GOST

Accessories

Accessories

Assembly

Cover profile - EA 11 - 1024263



Single cover, for covering one terminal block, snap fit, cannot be labeled, color: transparent

Step bracket - STL 35/10 - 0204084



Step bracket, Number of positions: 2, Color: white aluminum

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Accessories

Step bracket - STL 35/ 5 - 0204107



Step bracket, Number of positions: 2, Color: white aluminum

Step bracket - STL 35/16 - 0204097



Step bracket, Number of positions: 2, Color: white aluminum

Separating plate - TS-K - 1302215



Separating plate, Length: 22 mm, Height: 22 mm, Color: gray

Partition plate - TP-UK 35 - 3008096



Partition plate, Width: 2 mm, Color: gray

DIN rail - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

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DIN rail - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

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Feed-through terminal block - UK 35 - 3008012

Accessories

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

DIN rail - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, material: Aluminum, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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Feed-through terminal block - UK 35 - 3008012

Accessories

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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Feed-through terminal block - UK 35 - 3008012

Accessories

DIN rail - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

DIN rail - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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Feed-through terminal block - UK 35 - 3008012

Accessories

DIN rail - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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End clamp - CLIPFIX 35 - 3022218



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

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End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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Feed-through terminal block - UK 35 - 3008012

Accessories

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

Bridges

Chain bridge - KBI- 15 - 0205203



Chain bridge, Number of positions: 1, Color: silver

Fixed bridge - FBI 2-15 - 0201333



Fixed bridge, Number of positions: 2, Color: silver

Fixed bridge - FBI 3-15 - 0201278



Fixed bridge, Number of positions: 3, Color: silver

Insertion bridge - EB 2-15 - 0203166



Insertion bridge, Number of positions: 2, Color: gray

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Feed-through terminal block - UK 35 - 3008012

Accessories

Insertion bridge - EB 10-15 - 0205135



Insertion bridge, Number of positions: 10, Color: gray

Insertion bridge - EB 2-15 K/UK 35 - 0205119



Insertion bridge, Number of positions: 2, Color: gray

Insertion bridge - EB 3-15 K/UK 35 - 0205106



Insertion bridge, Number of positions: 3, Color: gray

Insertion bridge - EB 10-15 K/UK 35 - 0205096



Insertion bridge, Number of positions: 10, Color: gray

Switching jumper - SBH 2-15 - 0205232



Switching jumper, Number of positions: 2, Color: silver

Marking

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Accessories

Warning label - WS 5-15 - 1004445



Warning label, Plate, orange, labeled, Mounting type: Screws, rivets, For terminal block width: 15 mm

Warning label - WS 4-15 - 1004241



Warning label, Plate, orange, labeled, Mounting type: Screws, rivets, For terminal block width: 15 mm

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

Zack marker strip - ZB 15 CUS - 0824945



Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

Plug/Adapter

Test plugs - PS-MT - 0311647



Test plugs

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Accessories

Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, Color: white

Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, Color: red

Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, Color: blue

Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, Color: yellow

Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, Color: green

Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, Color: gray

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Feed-through terminal block - UK 35 - 3008012

Accessories

Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, Color: black

Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, Color: violet

Female test connector - PSB 6/5/6 - 0205290



Female test connector, Color: silver

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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