

Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

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Knife disconnect terminal block, Connection type: Screw connection, Cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, Nominal current: 16 A, Nominal voltage: 630 V, Length: 63.5 mm, Width: 6.2 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15, NS 32

Product Features

- Closed housing of double-level terminal blocks
- Space-saving design just 6.2 mm wide
- User-friendly disconnect knife operation

Key commercial data

package_quantity	50
GTIN	4017918068516

Technical data

General

Number of levels	1
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

General

Maximum load current	16 A (with 6 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	16 A
Nominal voltage U _N	630 V
Open side panel	ja
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

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Technical data

General

Power frequency withstand voltage setpoint	3 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	0.2 mm ² / 0.2 kg
Bending test conductor cross section/weight	4 mm ² / 0.9 kg
Bending test conductor cross section/weight	6 mm ² / 1.4 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm ²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Tensile test result	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.18 kA
Short circuit stability result	Test performed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C

Dimensions

Width	6.2 mm
Length	63.5 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.5 mm
Height NS 32	52 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²

Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

Technical data

Connection data

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
Cross section with insertion bridge, solid max.	2.5 mm ²
Cross section with insertion bridge, stranded max.	2.5 mm ²
Connection method	Screw connection
Stripping length	8 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

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

Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

classifications

ETIM

ETIM 4.0	EC000902
ETIM 5.0	EC000902

UNSPSC

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

approvals

CSA / UL Recognized / cUL Recognized / GOST / RS / PRS / GOST / UL Recognized / cUL Recognized / cULus Recognized /

Approval details

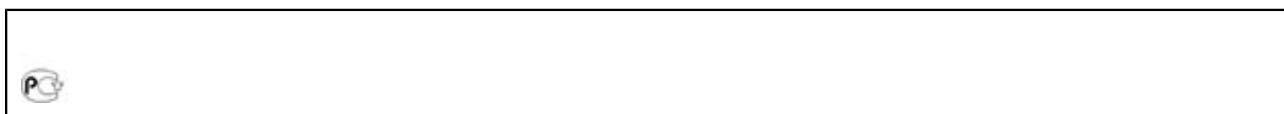
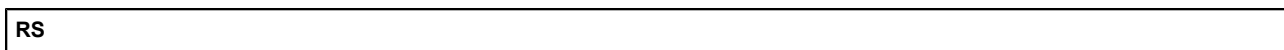
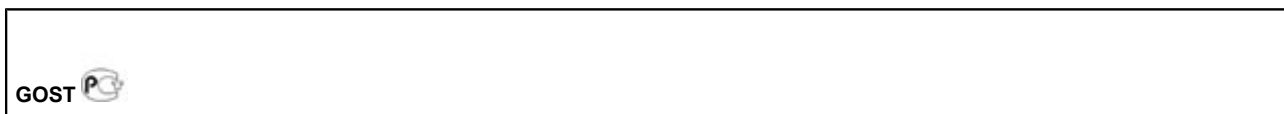
CSA			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	10 A
mm ² /AWG/kcmil	22-10	22-10	22-10

UL Recognized	
Nominal voltage UN	600 V
Nominal current IN	15 A
mm ² /AWG/kcmil	30-10

cUL Recognized	
Nominal voltage UN	600 V
Nominal current IN	15 A
mm ² /AWG/kcmil	30-10

Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

approvals



Nominal voltage UN	600 V
Nominal current IN	15 A
mm ² /AWG/kcmil	30-10

Nominal voltage UN	600 V
Nominal current IN	15 A
mm ² /AWG/kcmil	30-10



accessories

End cover

D-UDK 4 - 2775113



Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

accessories

D-UDK 4 BU - 2775197



Terminal marking

SBS 6:UNBEDRUCKT - 1007222



ZB 6:UNBEDRUCKT - 1051003



UC-TM 6 - 0818085



UCT-TM 6 - 0828736



Screwdriver tools

Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

accessories

SZS 0,6X3,5 - 1205053



Bridge

EB 3- 6 - 0201142



EB 2- 6 - 0201155



EB 10- 6 - 0201139



Mounting rail

NS 32 PERF 2000MM - 1201002



Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

accessories

NS 32 UNPERF 2000MM - 1201015



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



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accessories

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



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



Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

accessories

NS 35/15 UNPERF 2000MM - 1201714



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



Knife disconnect terminal block - UDK 4-MTK-P/P - 2775210

accessories

NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



Labeled terminal marker

ZB 6 CUS - 0824992



UC-TM 6 CUS - 0824589



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accessories

UCT-TM 6 CUS - 0829602



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



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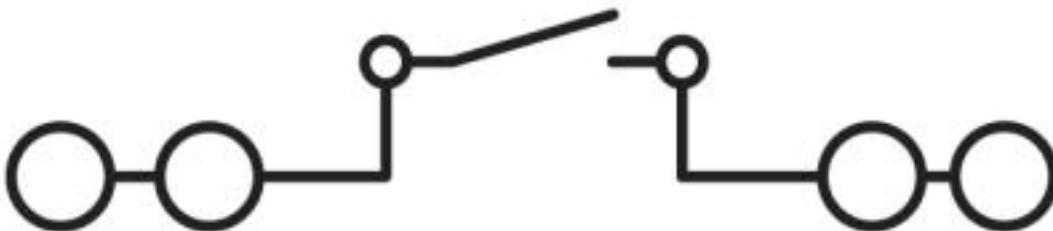
accessories

E/UK 1 - 1201413



Drawings

Circuit diagram



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