Knife disconnect terminal block - USST 4-MT P/P - 3070302

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Knife disconnect terminal block, Connection type: Screw connection with spring support, Cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, Nominal current: 20 A, Nominal voltage: 500 V, Length: 63.4 mm, Width: 6.2 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15, NS 32

Key commercial data

package_quantity	50
GTIN	4046356680349

Technical data

General

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

General

Rated surge voltage	6 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	20 A
Nominal voltage U_N	500 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	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 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

Knife disconnect terminal block - USST 4-MT P/P - 3070302

Technical data

General

Bending test turns	135
Bending test conductor cross section/weight	0.2 mm² / 0.2 kg
Bending test conductor cross section/weight	4 mm² / 0.9 kg
Bending test conductor cross section/weight	6 mm^2 / 1.4 kg
Bending test conductor cross section/weight	1.5 mm² / 0.4 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm²
Tractive force setpoint	80 N
Conductor cross section tensile test	1.5 mm²
Tractive force setpoint	40 N
Tensile test result	Test passed
Setpoint	1 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 1.6 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	2.5 mm²
Short-time current	0.3 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	1.857 $(m/s^2)^2$/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
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.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C

Knife disconnect terminal block - USST 4-MT P/P - 3070302

Technical data

General

Static insulating material application in cold	-60 °C

Dimensions

Length	63.4 mm
Width	6.2 mm
Height NS 35/7,5	57.3 mm
Height NS 35/15	64.8 mm
Height NS 32	62.3 mm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	4 mm²
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 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm²
Connection method	Screw connection with spring support
Stripping length	10 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Knife disconnect terminal block - USST 4-MT P/P - 3070302

classifications

eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

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 /

Approval details

GOST

accessories

End cover

D-USST 4-MT - 3070304

Partition plate

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

TS-USST 4/10 - 3070383

Partition plate

TPNS-UK - 0706647

Screwdriver tools

SZS 0,6X3,5 - 1205053

SF-SL 0,6X3,5-100 S-VDE - 1212587

SZG 0,6X3,5 VDE - 1205121

Connector

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

C-BCI 1,5/2,8 - 3240015

Crimping tool

CRIMPFOX-RCI 6 - 1212057

Insulating sleeve

IS-K 4 - 1302338

ISSBI 10- 6 - 0301505

Bridge

FBI 2- 6 - 0203438

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

FBI 10- 6 - 0203250

FBI 20- 6 - 0201867

Mounting rail

NS 32 PERF 2000MM - 1201002

NS 32 UNPERF 2000MM - 1201015

NS 35/ 7,5 PERF 2000MM - 0801733

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

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

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

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

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

NS 35/15 WH PERF 2000MM - 0806602

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

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

NS 35/15 CAP - 1206573

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

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

Terminal marking

ZB 6:UNBEDRUCKT - 1051003

UC-TM 6 - 0818085

UCT-TM 6 - 0828736

Labeled terminal marker

ZB 6 CUS - 0824992

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

UC-TM 6 CUS - 0824589

UCT-TM 6 CUS - 0829602

End block

CLIPFIX 35 - 3022218

CLIPFIX 35-5 - 3022276

E/NS 35 N - 0800886

Knife disconnect terminal block - USST 4-MT P/P - 3070302

accessories

E/UK - 1201442

E/UK 1 - 1201413

Test socket

PSBJ 3/13/4 - 0201304

PSB 3/10/4 - 0601292

Drawings

Circuit diagram