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Potential distributors, Nom. voltage: 250 V, Nominal current: 17.5 A, Cross section: 0.14 mm² - 2.5 mm², AWG: 14 - 26, Connection type: Push-in connection, Width: 8.3 mm, Length: 100 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

Product Features

- Bridgeable potential distributor with option to supply up to 6 mm²
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Tool-free wiring in a confined space thanks to compact size



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	8
Number of connections	29
Nominal cross section	1.5 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	32 A (The total current of the terminal block must not exceed 32 A)



Technical data

General

Maximum load current load current must not be exceeded by the total current of all confoundcros) Nominal current IN 32 A (with 4 mm² conductor cross section) Nominal voltage UN 250 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Surge voltage test setpoint 4.8 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 1.5 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of bending test Test passed Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 40 N Conductor cross sectio	Name in all assessment I	47.5 A / 10.4.52
Connection in acc. with standard IEC 60947-7-1		,
Maximum load current 37 A (In the case of a 6 mm² conductor cross section, the maxim load current must not be exceeded by the total current of all conductors) Nominal current I _k 32 A (with 4 mm² conductor cross section) Nominal voltage U _k 250 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection Surge voltage test Test passed Surge voltage test Setpoint Result of surge voltage test Fower frequency withstand voltage test Test passed Fower frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of set passed Bending test rotation speed Bending test rotation speed Bending test conductor cross section/weight 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.2 kg Test passed Test passed Conductor cross section tensile test Test passed 1.5 mm² / 0.4 kg 1.5 mm² / 0.4 kg 1.5 mm² / 0.2 kg Tensile test result Test passed 1.5 mm² / 0.2 kg Tensile test result Test passed Conductor cross section tensile test 1.5 mm² Tractive force setpoint 1.0 N Conductor cross section tensile test Tractive force setpoint 40 N Conductor cross section tensile test Tractive force setpoint Tractive force setp	Nominal voltage U _N	
Maximum load current Index consideration Nominal current I _N Nominal voltage U _N 250 V Open side panel Yes Shock protection test specification Back of the hand protection Finger protection Result of surge voltage test Surge voltage test setpoint Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of bending test Bending test totation speed Bending test conductor cross section/weight 1.5 km² / 0.4 kg 2.5 mm² / 1.4 kg Tensile test result Conductor cross section tensile test Test passed 10 N Conductor cross section tensile test Test passed 1.5 mm² 1.5 mm² 1.5 kg Test passed 1.5 mm² 1.5 mm² 1.5 mm² Test passed Test passed 1.5 mm² Test passed Test passed 1.5 mm² Test passed	Connection in acc. with standard	
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Open side panel Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Finger protection Test passed Surge voltage test setpoint 4.8 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.5 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test trotation speed 10 rpm Bending test turns 135 Bending test sconductor cross section/weight 0.14 mm² / 0.2 kg 1.5 mm² / 0.7 kg 0.2 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 2.5 mm² Tractive force setpoint 50 N Result of the final manual file of the section of the sectio	Nominal current I _N	32 A (with 4 mm² conductor cross section)
Shock protection test specification Back of the hand protection guaranteed Finger protection Result of surge voltage test setpoint Result of power-frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test conductor cross section/weight 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg Bending test result Test passed 10 rpm Bending test conductor cross section/weight 1.5 mm² / 0.2 kg 1.5 mm² / 0.5	Nominal voltage U_N	250 V
Back of the hand protection Finger protection Result of surge voltage test Frest passed Surge voltage test setpoint Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Pending test troation speed Bending test rotation speed Bending test conductor cross section/weight 1.5 km² / 0.2 kg 1.5 km² / 0.2 kg 4 km² / 0.9 kg 6 km² / 1.4 kg Tensile test result Tensile test result Conductor cross section tensile test 1.5 km² Tractive force setpoint 1.0 N Conductor cross section tensile test 1.5 km² Tractive force setpoint Conductor cross section tensile test Tractive force setpoint Result of tight fit on support Test passed So N Result of the test over the saved to support Test passed Test passed 1.5 km² Test passed 1.5 km² Tractive force setpoint 1.5 km² Tractive force setpoint Tractive forc	Open side panel	Yes
Finger protection guaranteed Result of surge voltage test Test passed Surge voltage test setpoint 4.8 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 1.5 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 1.5 mm² / 0.7 kg 2.5 mm² / 0.7 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Result of surge voltage test Surge voltage test setpoint 4.8 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.5 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test rotation speed Bending test conductor cross section/weight 1.5 mm² / 0.2 kg 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint Conductor cross section tensile test 1.5 mm² Tractive force setpoint Conductor cross section tensile test Test passed 2.5 mm² Tractive force setpoint AD N Conductor cross section tensile test Tractive force setpoint Test passed Tight fit on carrier NS 35 Setpoint	Back of the hand protection	guaranteed
Surge voltage test setpoint A.8 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.5 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test conductor cross section/weight 10 rpm Bending test conductor cross section/weight 1.5 mm² / 0.2 kg 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.9 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 2.5 mm² 40 N Conductor cross section tensile test Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint	Finger protection	guaranteed
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed Bending test turns Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Conductor cross section tensile test 1.5 mm² Tractive force setpoint Conductor cross section tensile test Test passed Tight fit on carrier NS 35 Setpoint 1 N	Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed Bending test turns Bending test conductor cross section/weight 1.5 mm² / 0.2 kg 1.5 mm² / 0.7 kg 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test 1.5 mm² Tractive force setpoint Conductor cross section tensile test Tractive force setpoint	Surge voltage test setpoint	4.8 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 1.5 mm² / 0.2 kg 1.5 mm² / 0.7 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint Conductor cross section tensile test 1.5 mm² Tractive force setpoint Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint	Result of power-frequency withstand voltage test	Test passed
connection) Result of bending test Bending test rotation speed Bending test turns Bending test conductor cross section/weight 1.5 mm² / 0.2 kg 1.5 mm² / 0.2 kg 1.5 mm² / 0.2 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 7 tractive force setpoint Conductor cross section tensile test 7 tractive force setpoint Conductor cross section tensile test 7 tractive force setpoint Conductor cross section tensile test 7 tractive force setpoint Conductor cross section tensile test 7 tractive force setpoint Conductor cross section tensile test 7 tractive force setpoint NS 35 Setpoint	Power frequency withstand voltage setpoint	1.5 kV
Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N		Test passed
Bending test turns	Result of bending test	Test passed
Bending test conductor cross section/weight 0.14 mm² / 0.2 kg	Bending test rotation speed	10 rpm
1.5 mm² / 0.4 kg 2.5 mm² / 0.7 kg 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Test passed Tight fit on carrier NS 35 Setpoint 1 N Test passed Tight fit on carrier NS 35 Setpoint 1 N Test passed Tight fit on carrier NS 35 Setpoint Test passed Tight fit on carrier NS 35 Setpoint Test passed Tight fit on carrier NS 35 Setpoint Test passed Tight fit on carrier NS 35 Setpoint Test passed Tight fit on carrier NS 35 Setpoint Test passed Tight fit on carrier NS 35 Setpoint Test passed Tight fit on carrier Test passed Tight fit on carrier NS 35 Tight fit on carrier Test passed Tight fit on carrier Test passed Tight fit on carrier NS 35 Tight fit on carrier Test passed Tight fit on car	Bending test turns	135
2.5 mm² / 0.7 kg 0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 7 m² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint	Bending test conductor cross section/weight	0.14 mm² / 0.2 kg
0.2 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint		1.5 mm² / 0.4 kg
4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint		2.5 mm² / 0.7 kg
Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint 1 N		0.2 mm² / 0.2 kg
Tensile test result Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint 1 N		4 mm² / 0.9 kg
Conductor cross section tensile test Tractive force setpoint Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint 1 N		6 mm ² / 1.4 kg
Tractive force setpoint 10 N Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N	Tensile test result	Test passed
Conductor cross section tensile test 1.5 mm² Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint 1 N	Conductor cross section tensile test	0.14 mm²
Tractive force setpoint 40 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N	Tractive force setpoint	10 N
Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N	Conductor cross section tensile test	1.5 mm²
Tractive force setpoint 50 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N	Tractive force setpoint	40 N
Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N	Conductor cross section tensile test	2.5 mm²
Tight fit on carrier NS 35 Setpoint 1 N	Tractive force setpoint	50 N
Setpoint 1 N	Result of tight fit on support	Test passed
	Tight fit on carrier	NS 35
Result of voltage-drop test Test passed	Setpoint	1 N
1 court of voltage alloy test	Result of voltage-drop test	Test passed



Technical data

General

Requirements, voltage drop	\leq 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	1.5 mm²
Short-time current	0.18 kA
Conductor cross section short circuit testing	2.5 mm ²
Short-time current	0.3 kA
Conductor cross section short circuit testing	4 mm²
Short-time current	0.48 kA
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	8.3 mm
Length	100 mm
Height NS 35/7,5	87.5 mm
Height NS 35/15	95 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm²



Technical data

Connection data

Stripping length	8 mm 10 mm
Note	Only the "CRIMPFOX 6" crimping pliers may be used for crimping with 6 mm² stranded and ferrule.
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	8
Conductor cross section flexible min.	2.5 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	14
Max. AWG conductor cross section, flexible	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Stripping length	12 mm

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
	IEC 60947-7-1
Flammability rating according to UL 94	V0

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	27141141
eCl@ss 7.0	27141141
eCl@ss 8.0	27141141
eCl@ss 9.0	27141141

ETIM

ETIM 3.0	EC000901
ETIM 4.0	EC000901



Classifications

ETIM 5.0

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

EC000901

39121410

Drawings

UNSPSC 13.2

Circuit diagram

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