

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 32 A, connection method: Screw connection, number of connections: 2, cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, width: 6.2 mm, height: 46.9 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Your advantages

- 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
- The cable entry funnel enables the use of conductors with ferrules and plastic collars within the nominal cross section
- ▼ Tested for railway applications





Key Commercial Data

Packing unit	50 pc
GTIN	4 017918 960391
GTIN	4017918960391
Weight per Piece (excluding packing)	8.900 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	4 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry



Technical data

General

Machine building Plant engineering		
Rated surge voltage Rated surge voltage Rated surge voltage Rogree of pollution Overvoltage category III Insulating material group Insulating materi		Machine building
Rated surge voltage Degree of pollution 3 Overvoltage category III		Plant engineering
Degree of pollution 3 Overvoltage category III Insulating material group II Maximum load current 1.02 W Maximum load current I _k 32 A (with 4 mm² conductor cross section) Nominal current I _k 100 V Nominal voltage U _k 100 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 guaranteed Result of power-frequency withstand voltage sets Test passed Result of power-frequency withstand voltage sets in the test for mechanical stability of terminal points (5 x conductor connection) test passed Result of the test for mechanical stability of terminal points (5 x conductor connection) test passed Result of flexion and pull-out test Test passed Bending test rotation speed 10 rpm Bending test conductor cross section/weight 0.14 mm² / 0.9 kg Tensile test result Test passed Result of voltage drop test Test passed Result of voltage drop test Test passed Result of vo		Process industry
Overvoltage category III Insulating material group I Maximum power dissipation for nominal condition 1.02 W Maximum power dissipation for nominal condition 1.02 W Maximum load current I _N 32 A (with 4 mm² conductor cross section) Nominal current I _N 32 A (with 4 mm² conductor cross section) Nominal voltage U _N 1000 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0680-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Result of surge voltage test the stand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor conductor conductor conduction) Test passed Result of flexion and pull-out test Test passed Bending test trotation speed 10 rpm Bending test trotation speed 10 rpm Bending test trotation speed 10 rpm Bending test trotation speed	Rated surge voltage	8 kV
Insulating material group I Maximum power dissipation for nominal condition 1.02 W Maximum load current 41 A (with 6 mm² conductor cross section) Mominal vortage U _N 1000 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 guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of plexion and pull-out test Test passed Bending test toration speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 4 mm² / 0.9 kg 4 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of temperature-rise test Test passed Result of temperature-rise test Test passed Result of temperat	Degree of pollution	3
Maximum power dissipation for nominal condition 1.02 W Maximum load current 41 A (with 6 mm² conductor cross section) Nominal current II, 32 A (with 4 mm² conductor cross section) Nominal voltage U _N 1000 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 guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x Test passed Result of flexion and pull-out test Test passed Bending test trotation speed 10 rpm Bending test conductor cross section/weight 0.14 mm² / 0.2 kg Tensile test result Test passed Result of light fit on support Test passed Test passed Test passed Result of voltage-drop test Test passed Result of temperature-rise test Test passed Result of voltage-drop test Test passed Result of temperature-rise test Increase in temperature < 45 K	Overvoltage category	III
Maximum load current I _N Nominal current I _N 32 A (with 4 mm² conductor cross section) Nominal voltage U _N 1000 V 1000	Insulating material group	I
Nominal current I _N Nominal voltage U _N Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection Quaranteed Result of surge voltage test Result of power-frequency withstand voltage sets Power frequency withstand voltage setpoint Result of flexion and pull-out test Bending test rotation speed Bending test rotation speed Bending test conductor cross section/weight D14 mm² / 0.2 kg 4 mm² / 0.9 kg Tensile test result Result of light fit on carrier NS 35 Setpoint 1 N Result of temperature-rise test Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing Nort-time current Proof of thermal characteristics (needle flame) effective duration 10 spen 1000 V Pos Poser frequency withstand voltage setpoint Result of the cast for mechanical stability of terminal points (5 x conductor connection) Test passed 10 rpm 135 Bending test rotation speed 10 17 mm² / 0.2 kg 4 mm² / 0.9 kg Tensile test result Test passed Result of light fit on support Test passed Feat passed Feat passed Feat passed Result of voltage-drop test Test passed Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing ### Mm² Short-time current O.72 kA Pessult of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Maximum power dissipation for nominal condition	1.02 W
Nominal voltage U _N 1000 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 guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage steptont 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of flexion and pull-out test Test passed Bending test rotation speed 10 rpm Bending test torductor cross section/weight 0.14 mm² / 0.2 kg 4 mm² / 0.9 kg 15 Tensile test result Test passed Result of light fit on support Test passed Result of tight fit on support Test passed Selpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short-time current 0.48 kA Conductor cross section short circuit testing 4 mm² Short-time current 0.72 kA Result of thermal characteristics (needle flame) effective duration 30 s	Maximum load current	41 A (with 6 mm² conductor cross section)
Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Bending test test for 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 0.14 rm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Steppoint 1 N Result of temperature-rise test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross sec	Nominal current I _N	32 A (with 4 mm² conductor cross section)
Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage setspoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of flexion and pull-out 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 Tensile test result Test passed Result of tight fit on support Test passed Result of voltage-drop test NS 35 Setpoint 1 N Result of temperature-rise test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing	Nominal voltage U _N	1000 V
Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of flexion and pull-out test Test passed Bending test rotation speed 10 rpm Bending test rotation speed 10 rpm Bending test conductor cross section/weight 0.14 mm² / 0.2 kg ### ### ### ### ### ### ### ### ### #	Open side panel	Yes
Finger protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of flexion and pull-out 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 4 mm² / 0.9 kg Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of flexion and pull-out 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 Tensile test result Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Back of the hand protection	guaranteed
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 2.2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of flexion and pull-out test Bending test rotation speed Bending test truns Bending test conductor cross section/weight 10 rpm Bending test conductor cross section/weight 10 14 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Result of temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short-circuit stability result Conductor cross section short circuit testing Short-time current 0.48 kA Conductor cross section short circuit testing Short-time current 0.72 kA Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Finger protection	guaranteed
Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of flexion and pull-out test Bending test rotation speed Bending test rotation speed Bending test turns Bending test conductor cross section/weight 101 pm Bending test conductor cross section/weight 1014 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Requirement temperature-rise test Requirement temperature-rise test Increase in temperature ≤ 45 K Short-circuit stability result Conductor cross section short circuit testing Short-time current 0.48 kA Conductor cross section short circuit testing Short-time current 0.72 kA Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Result of surge voltage test	Test passed
Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of flexion and pull-out 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 Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Result of power-frequency withstand voltage test	Test passed
Result of flexion and pull-out test Result of flexion and pull-out test Rending test rotation speed 10 rpm 135 Bending test conductor cross section/weight 135 Bending test conductor cross section/weight 135 Bending test result 14 mm² / 0.2 kg 4 mm² / 0.9 kg Tensile test result 15 test passed Result of tight fit on support 15 test passed 16 this on carrier 18 S S 18 Setpoint 10 N Result of voltage-drop test 10 test passed Result of temperature-rise test 10 test passed Requirement temperature-rise test 10 trease in temperature ≤ 45 K 10 Short circuit stability result 10 test passed 10 trease in temperature ≤ 45 K 10 trease i	Power frequency withstand voltage setpoint	2.2 kV
Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 4 mm² / 0.9 kg 4 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed		Test passed
Bending test turns 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 4 mm² / 0.9 kg 4 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Result of flexion and pull-out test	Test passed
Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 4 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Requirement temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing Short-time current 0.72 kA Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Bending test rotation speed	10 rpm
4 mm² / 0.9 kg Tensile test result Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Bending test turns	135
Tensile test result Result of tight fit on support Test passed Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Bending test conductor cross section/weight	0.14 mm² / 0.2 kg
Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed		4 mm² / 0.9 kg
Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Tensile test result	Test passed
Setpoint 1 N Result of voltage-drop test Test passed Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Result of tight fit on support	Test passed
Result of voltage-drop testTest passedResult of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature ≤ 45 KShort circuit stability resultTest passedConductor cross section short circuit testing4 mm²Short-time current0.48 kAConductor cross section short circuit testing6 mm²Short-time current0.72 kAResult of thermal testTest passedProof of thermal characteristics (needle flame) effective duration30 sOscillation, broadband noise test resultTest passed	Tight fit on carrier	NS 35
Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Setpoint	1 N
Requirement temperature-rise test Increase in temperature ≤ 45 K Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Result of voltage-drop test	Test passed
Short circuit stability result Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Result of temperature-rise test	Test passed
Conductor cross section short circuit testing 4 mm² Short-time current 0.48 kA Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed	Requirement temperature-rise test	Increase in temperature ≤ 45 K
Short-time current O.48 kA Conductor cross section short circuit testing 6 mm² Short-time current O.72 kA Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Test passed	Short circuit stability result	Test passed
Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Conductor cross section short circuit testing	4 mm²
Short-time current 0.72 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Short-time current	0.48 kA
Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Test passed	Conductor cross section short circuit testing	6 mm²
Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed	Short-time current	0.72 kA
Oscillation, broadband noise test result Test passed	Result of thermal test	Test passed
·	Proof of thermal characteristics (needle flame) effective duration	30 s
Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Oscillation, broadband noise test result	Test passed
- 150 Sp. 500 (VDE 0110-200).2000-00	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03



Technical data

General

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/s²)²/Hz
Acceleration	0,8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
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
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Length	47.7 mm
Height	46.9 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

Connection data

Connection method	Screw connection
Screw thread	M3
Stripping length	9 mm
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm
Connection in acc. with standard	IEC 60947-7-1



Technical data

Connection data

Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	2.5 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.14 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm²
Internal cylindrical gage	A4

Ambient conditions

Operating temperature	-60 °C 105 °C (max. short-term operating temperature 130°C)
Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % 70 %
Ambient temperature (assembly)	-5 °C 70 °C
Ambient temperature (actuation)	-5 °C 70 °C

Standards and Regulations

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"



Drawings

Circuit diagram

O----

Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals



Approvals

Ex Approvals

IECEx / UL Recognized / cUL Recognized / EAC Ex / NEPSI / ATEX / cULus Recognized

Approval details

DNV GL	ONV GL	https://approvalfinder.dnvgl.com/	TAE00001S9
--------	--------	-----------------------------------	------------

CSA	(P	http://www.csagroup.org/services-indu	stries/product-listing/ 13631
		В	С
Nominal voltage UN		600 V	600 V
Nominal current IN		30 A	30 A
mm²/AWG/kcmil		26-10	26-10

PRS	http://www.prs.pl/	TE/2156/880590/17
-----	--------------------	-------------------

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
	В	С
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	26-10	26-10

cUL Recognized	http://database.ul.com/cgi-bir	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 6	
	В	С	
Nominal voltage UN	600 V	600 V	
Nominal current IN	30 A	30 A	
mm²/AWG/kcmil	26-10	26-10	

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-63061
Nominal voltage UN		1000 V	



Approvals

Nominal current IN	32 A
mm²/AWG/kcmil	4

EAC	FAC	RU C- DE.A*30.B.01742
	ENL	

	RS		http://www.rs-head.spb.ru/en/index.php	17.00013.272
--	----	--	----------------------------------------	--------------

LR	Lloyds Register	http://www.lr.org/en	LR2003762TA

VDE Zeichengenehmigung	Ď ^V E	http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx		40013658
Nominal voltage UN			1000 V	
Nominal current IN			32 A	
mm²/AWG/kcmil			0.2-4	

cULus Recognized	c 91 us		
	U U3		

Accessories

Accessories

DIN rail

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver



Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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 perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver



Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray



Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End cover

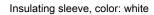
End cover - D-UT 2,5/10 - 3047028



End cover, length: 47 mm, width: 2.2 mm, height: 39.8 mm, color: gray

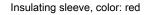
Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663





Insulating sleeve - MPS-IH RD - 0201676





Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue





Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



Jumper

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: red



Accessories

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, pitch: 6.2 mm, width: 16.9 mm, number of positions: 3, color: red

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, pitch: 6.2 mm, width: 23.1 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, pitch: 6.2 mm, width: 29.3 mm, number of positions: 5, color: red

Plug-in bridge - FBS 6-6 - 1008238



Plug-in bridge, One side not fully isolated, pitch: 6.2 mm, width: 35.5 mm, number of positions: 6, color: red

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, pitch: 6.2 mm, width: 60.3 mm, number of positions: 10, color: red



Accessories

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, pitch: 6.2 mm, width: 122.3 mm, number of positions: 20, color: red

Plug-in bridge - FBS 50-6 - 3032224



Plug-in bridge, pitch: 6.2 mm, width: 308.3 mm, number of positions: 50, color: red

Plug-in bridge - FBSR 2-6 - 3033715



Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red

Plug-in bridge - FBSR 3-6 - 3001594



Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: red

Plug-in bridge - FBSR 4-6 - 3001595



Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: red



Accessories

Plug-in bridge - FBSR 5-6 - 3001596



Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: red

Plug-in bridge - FBSR 10-6 - 3033716



Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: red

Plug-in bridge - FBS 2-6 BU - 3036932



Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 3-6 BU - 3036945



Plug-in bridge, pitch: 6.2 mm, width: 16.9 mm, number of positions: 3, color: blue

Plug-in bridge - FBS 4-6 BU - 3036958



Plug-in bridge, pitch: 6.2 mm, width: 23.1 mm, number of positions: 4, color: blue



Accessories

Plug-in bridge - FBS 5-6 BU - 3036961



Plug-in bridge, pitch: 6.2 mm, width: 29.3 mm, number of positions: 5, color: blue

Plug-in bridge - FBS 10-6 BU - 3032198



Plug-in bridge, pitch: 6.2 mm, width: 60.3 mm, number of positions: 10, color: blue

Plug-in bridge - FBS 20-6 BU - 3032208



Plug-in bridge, pitch: 6.2 mm, width: 122.3 mm, number of positions: 20, color: blue

Plug-in bridge - FBS 50-6 BU - 3032211



Plug-in bridge, pitch: 6.2 mm, width: 308.3 mm, number of positions: 50, color: blue

Labeled terminal marker

Zack marker strip - ZB 6 CUS - 0824992



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10



Accessories

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip - ZB 6,LGS:GLEICHE ZAHLEN - 1051032



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10



Accessories

Marker for terminal blocks - UC-TM 6 CUS - 0824589



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

Marker for terminal blocks - UCT-TM 6 CUS - 0829602



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Partition plate

Partition plate - ATP-UT - 3047167



Partition plate, length: 53.4 mm, width: 2.2 mm, height: 45.7 mm, color: gray

Planning and marking software

Software - PROJECT COMPLETE - 1050453



Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download



Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Short-circuit connector

Short-circuit connector - FBSRH 2-6 - 3033812



Short-circuit connector, pitch: 6.2 mm, number of positions: 2, color: red

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80



Accessories

Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Test plugs - PS-6 - 3030996



Test plugs, Modular test plug, color: red

Test plugs - PS-6/2,3MM RD - 3038736



Test plugs, color: red

Test socket

Test adapter - PAI-4-FIX-5/6 BU - 3035975



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch



Accessories

Test adapter - PAI-4-FIX-5/6 OG - 3035974



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 YE - 3035977



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 RD - 3035976



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 GN - 3035978



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 BK - 3035980



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch



Accessories

Test adapter - PAI-4-FIX-5/6 GY - 3035982



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 VT - 3035979



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 BN - 3035981



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 WH - 3035983



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-N GY - 3032871



4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

Warning label printed



Accessories

Warning label - WS UT 4 - 3047332



Warning sign for UT terminal blocks

Phoenix Contact 2021 @ - all rights reserved http://www.phoenixcontact.com