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Ground modular terminal block, connection method: Push-in connection, number of connections: 2, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 30.5 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

### Your advantages

- The compact design and front connection enable wiring in a confined space
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- ☑ In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- Tested for railway applications





## **Key Commercial Data**

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 046356 564434
GTIN	4046356564434
Weight per Piece (excluding packing)	5.600 g
Custom tariff number	85369010
Country of origin	Germany

#### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	1.5 mm <sup>2</sup>
Color	green-yellow



## Technical data

## General

Area of application Railway industry  Machine building  Plant engineering  Rated surge voltage  Begree of pollution  3  Overvoltage category  III  Insulating material group  I Pes  Ambient temperature (operation)  Ambient temperature (operation)  Ambient temperature (operation)  Ambient temperature (operation)  Permissible humidity (storage/transport)  25 °C 70 °C  Ambient temperature (actuation)  Ambient temperature (actuation)  5 °C 70 °C  Ambient temperature (actuation)  Ambient temperature (actuation)  5 °C 70 °C  Ambient temperature (actuation)  Back of the hand protection  guaranteed  DIN EN 50274 (VDE 0660-514):2002-11  Back of the hand protection  Guaranteed  Oscillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test specification  Service life test category 2, bogie-mounted  Test specification  3.12 g  Test directions  Acceleration  Test directions  Shock test result  Test passed  Test specification shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration per axis  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration material temperature index (Elec., UL 746 B)  Test directions  X. Y. and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material temperature index (Elec., UL 746 B)  Test directions  Test directions  Test direction material temperature index (Elec., UL 746 B)  Terest direction for color of color co	Insulating material	PA
Machine building	Flammability rating according to UL 94	V0
Plant engineering   Plant engineering   6 kV	Area of application	Railway industry
Rated surge voltage		Machine building
Degree of pollution         3           Overvoltage category         III           Insulating material group         I           Open side panel         Yes           Ambient temperature (operation)         -60 °C 105 °C ()           Ambient temperature (storage/transport)         -25 °C 60 °C ()           Permissible humidity (storage/transport)         30 % 70 %           Ambient temperature (assembly)         -5 °C 70 °C           Ambient temperature (assembly)         -5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Scrivice in test specification, scillation, broadband noise test result         Test passed           Test specification, scillation, broadband noise test result         Test passed           Test specification, scillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, scillation, broadband noise         Bin EN 50156 (VDE 0115-200):2008-03           Test specification as a specificatio		Plant engineering
Overvoltage category         III           Insulating material group         I           Open side panel         Yes           Ambient temperature (operation)         -60 °C 105 °C ()           Ambient temperature (storage/transport)         25 °C 60 °C ()           Permissible humidity (storage/transport)         30 % 70 %           Ambient temperature (assembly)         -5 °C 70 °C           Ambient temperature (actuation)         -5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Oscillation, broadband noise test result         Test passed           Test specification, socillation, broadband noise test result         Test passed           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test spectrum         Service life test category 2, bogie-mounted           Test spectrum         Service life test category 2, bogie-mounted           Test spectrum         Service life test category 2, bogie-mounted           Test stream         6.12 (m/s³)*Hz           Acceleration         3.12 g           Test duration per axis         5 h           Test duration per axis         5 h           Test specification, shock test<	Rated surge voltage	6 kV
Insulating material group  Open side panel  Yes  Ambient temperature (operation)  Ambient temperature (storage/transport)  25 °C 60 °C ()  Permissible humidity (storage/transport)  30 % 70 °C  Ambient temperature (actuation)  5 °C 70 °C  Ambient temperature (actuation)  5 °C 70 °C  Shock protection test specification  DIN EN 50274 (VDE 0660-514):2002-11  Back of the hand protection  guaranteed  Oscillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test specification, oscillation, broadband noise  Test specification, scillation, broadband noise  Test specification, scillation, broadband noise  Test specification, scillation, broadband noise  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X., Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50156 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g	Degree of pollution	3
Open side panel         Yes           Ambient temperature (operation)         -60 °C 105 °C ()           Ambient temperature (storage/transport)         -25 °C 60 °C ()           Permissible humidity (storage/transport)         30 % 70 °C           Ambient temperature (ascuation)         -5 °C 70 °C           Ambient temperature (actuation)         -5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Scription (Scillation, broadband noise test result         Test specification, socillation, broadband noise test result           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, socillation, broadband noise         DIN EN 50156 (VDE 0115-200):2008-03           Test frequency         f₁ = 5 Hz to f₂ = 250 Hz           ASD level         6.12 (m/s³)²/Hz           Acceleration         3.12 g           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         3           Shock form         Half-sine           Accelerati	Overvoltage category	III
Ambient temperature (operation) -60 °C 105 °C ()  Ambient temperature (storage/transport) -25 °C 60 °C ()  Permissible humidity (storage/transport) 30 % 70 %  Ambient temperature (assembly) -5 °C 70 °C  Ambient temperature (actuation) -5 °C 70 °C  Ambient temperature (assembly) -5 °C	Insulating material group	I
Ambient temperature (storage/transport)  -25 °C 60 °C ()  Permissible humidity (storage/transport)  30 % 70 %  Ambient temperature (assembly)  5 °C 70 °C  Ambient temperature (actuation)  5 °C 70 °C  Ambient temperature (actuation)  5 °C 70 °C  Ambient temperature (actuation)  Back of the hand protection  Guaranteed  Oscillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  Test frequency  f, = 5 Hz to f, = 250 Hz  Acceleration  3.12 g  Test duration per axis  Test duration per axis  Shock test result  Test passed  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Test specification  3.12 g  Test directions  X., Y. and Z-axis  Shock test result  Test passed  Test passed  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 ms  Number of shocks per direction  3 "C  Temperature index of insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Test cline insulation material application in cold  -60 °C  Static insulation material application in cold	Open side panel	Yes
Permissible humidity (storage/transport)  Ambient temperature (assembly)  -5 °C 70 °C  Ambient temperature (actuation)  -5 °C 70 °C  Shock protection test specification  Back of the hand protection  guaranteed  Gesillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test specification, oscillation, broadband noise  Bill En 50155 (VDE 0115-200):2008-03  Test specification  3.12 g  Test duration per axis  5 h  Test duration per axis  Test passed  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Test duration per axis  5 h  Test directions  X., Y- and Z-axis  Shock test result  Test passed  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  Acceleration  30 g  Shock form  Half-sine  Acceleration  30 g  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  Test direction	Ambient temperature (operation)	-60 °C 105 °C ()
Ambient temperature (assembly)  -5 °C 70 °C  Ambient temperature (actuation)  -5 °C 70 °C  Shock protection test specification  DIN EN 50274 (VDE 0660-514):2002-11  Back of the hand protection  guaranteed  Finger protection  Socillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test specification, oscillation, broadband noise  Test specification, oscillation, broadband noise  Test specification of the test category 2, bogie-mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X., Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  Acceleration  30 g  Shock form  Half-sine  Acceleration  18 ms  Number of shocks per direction  3 C  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  X., Y- and Z-axis (pos. and neg.)  Test directions  Acceleration  18 ms  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Temperature index of insulation material application in cold	Ambient temperature (storage/transport)	-25 °C 60 °C ()
Ambient temperature (actuation)  -5 °C 70 °C  Shock protection test specification  DIN EN 50274 (VDE 0660-514):2002-11  Back of the hand protection  guaranteed  Service life test category 2, bogie-mounted  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  ASD level  6.12 (m/s²)²/Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  Acceleration  30 g  Shock form  Acceleration  30 g  Shock duration  18 ms  Number of shocks per direction  3 Test directions  X-, Y- and Z-axis (pos. and neg.)  Test directions  X-, Y- and Z-axis (pos. and neg.)  Temperature index of insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material application in cold  -60 °C	Permissible humidity (storage/transport)	30 % 70 %
Shock protection test specification  Back of the hand protection  Back of the hand protection  guaranteed  Finger protection  Quaranteed  Oscillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  ASD level  6.12 (m/s²)²/Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 ms  Number of shocks per direction  Test directions  X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold	Ambient temperature (assembly)	-5 °C 70 °C
Back of the hand protection  guaranteed  Guaranteed  Guaranteed  Guaranteed  Guaranteed  Guaranteed  Guaranteed  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  ASD level  ACCELERATION  ACCELERATION  Test duration per axis  5 h  Test duration per axis  Test passed  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Test duration per axis  Test passed  Test passed  Test passed  Test passed  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 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)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  125 °C  Static insulating material application in cold	Ambient temperature (actuation)	-5 °C 70 °C
Finger protection  guaranteed  Oscillation, broadband noise test result  Test spassed  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  ASD level  6.12 (m/s <sup>3</sup> ) <sup>2</sup> /Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  Acceleration  30g  Shock duration  18 ms  Number of shocks per direction  3 "Ext directions  X-, Y- and Z-axis (pos. and neg.)  Test directions  X-, Y- and Z-axis (pos. and neg.)  Test directions  X-, Y- and Z-axis (pos. and neg.)  Test directions  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  125 °C  Static insulating material application in cold	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Oscillation, broadband noise test result  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  ASD level  6.12 (m/s <sup>3</sup> ) <sup>2</sup> /Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 ms  Number of shocks per direction  Test directions  X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material application in cold	Back of the hand protection	guaranteed
Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 2, bogie-mounted  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz  ASD level  6.12 (m/s²²²/Hz  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 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)  Temperature index of insulation material application in cold  DIN EN 50155 (VDE 0115-200):2008-03  X-, Y- and Z-axis (pos. and neg.)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  125 °C  Static insulating material application in cold	Finger protection	guaranteed
Test spectrum  Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $3.12 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 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)  Temperature index of insulation material application in cold  Service life test category 2, bogie-mounted $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ 8.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz  8.12 (m/s <sup>2</sup> )	Oscillation, broadband noise test result	Test passed
Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $3.12 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions $X, Y \text{ and } Z \text{ axis}$ Shock test result $T \text{ ext} = T \text{ ext} = T$	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
ASD level  Acceleration  3.12 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 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)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold	Test spectrum	Service life test category 2, bogie-mounted
Acceleration 3.12 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 30g  Shock duration 18 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	Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Test duration per axis  Test directions  X-, Y- and Z-axis  Shock test result  Test passed  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  Acceleration  30g  Shock duration  18 ms  Number of shocks per direction  3 trest directions  X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  5 h  X-, Y- and Z-axis  Static insulating material application in cold	ASD level	6.12 (m/s²)²/Hz
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  30g  Shock duration  18 ms  Number of shocks per direction  Test directions  X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  X-, Y- and Z-oxis (pos. and neg.)  125 °C  Static insulating material application in cold	Acceleration	3.12 g
Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 ms  Number of shocks per direction  Test directions  X-, Y- and Z-axis (pos. and neg.)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  Test passed  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  30g  X-, Y- and Z-axis (pos. and neg.)  125 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  125 °C	Test duration per axis	5 h
Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  30g  Shock duration  18 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)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  DIN EN 50155 (VDE 0115-200):2008-03  18 ms  3 Test directions  18 ms  19 Test directions  10 °C  110 °C  110 °C  110 °C	Test directions	X-, Y- and Z-axis
Shock form  Acceleration  30g  Shock duration  18 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)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  Half-sine  30g  18 ms  130 °C  125 °C  54 Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  125 °C  140 °C	Shock test result	Test passed
Acceleration 30g Shock duration 18 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	Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock duration  18 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))  Static insulating material application in cold  -60 °C	Shock form	Half-sine
Number of shocks per direction  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))  Static insulating material application in cold  -60 °C	Acceleration	30g
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))  Static insulating material application in cold  -60 °C	Shock duration	18 ms
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	Number of shocks per direction	3
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 125 °C  Static insulating material application in cold -60 °C	Test directions	X-, Y- and Z-axis (pos. and neg.)
Static insulating material application in cold -60 °C	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
Surface flammability NFPA 130 (ASTM E 162) passed	Static insulating material application in cold	-60 °C
	Surface flammability NFPA 130 (ASTM E 162)	passed



## Technical data

## General

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	3.5 mm
End cover width	2.2 mm
Length	45 mm
Height	30.5 mm
Height NS 35/7,5	32 mm
Height NS 35/15	39.5 mm

## Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection	1 level
Connection method	Push-in connection
Stripping length	8 mm 10 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 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 mm² Using the Al-S 1-8 TQ ferrule, Order No. 1200293, is recommended
Connection cross sections directly pluggable	0.25 mm² 1.5 mm²
Conductor cross section solid min.	0.25 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm²



## Technical data

#### Connection data

Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm <sup>2</sup>
Internal cylindrical gage	A1 / B1

## Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-2
Flammability rating according to UL 94	V0

## **Environmental Product Compliance**

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

## Circuit diagram



## Classifications

## eCl@ss

eCl@ss 10.0.1	27141141
eCl@ss 11.0	27141141
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	27141141
eCl@ss 8.0	27141141
eCl@ss 9.0	27141141

## **ETIM**

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC000901



## Classifications

#### **ETIM**

ETIM 6.0	EC000901
ETIM 7.0	EC000901

## **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

 ${\sf CSA /BV /LR /NK /ABS /UL \ Recognized / cUL \ Recognized / \ IECEE \ CB \ Scheme / \ VDE \ Zeichengenehmigung / \ EAC / \ DNV \ GL / \ RS / \ cULus \ Recognized }$ 

Ex Approvals

IECEx / ATEX / EAC Ex

#### Approval details

CSA	<b>(1)</b>	http://www.csa	http://www.csagroup.org/services-industries/product-listing/	
mm²/AWG/kcmil			26-14	

BV http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials 39980/B0 BV



## Approvals

LR	Lloyd's Register	http://www.lr.org/en				12/20038 (E3)
NK	ClassNK	http://www.classnk.or.jp/hp/en/				14ME0912
ABS		http://www.eagle.org/eagleExternalPortalWEB/				16-HG1591536-PDA
UL Recognized	<b>A</b>	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm				
	В		С		D	
mm²/AWG/kcmil	26-14		26-14		26-14	
cUL Recognized  mm²/AWG/kcmil  IECEE CB Scheme	B 26-14  CB scheme		n/cgi-bin/XYV/template/LISE C 26-14 http://www.iecee.org/		D 26-14	DE1-53795_M1
mm²/AWG/kcmil			0.14-1.5			
VDE Zeichengenehmigung	ĎŶ <u>E</u>	http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx				40039744
mm²/AWG/kcmil			0.14-1.5			
IIIIIT/AVVG/KCIIIII			0.14-1.0			
EAC	ERE					RU C- DE.Al30.B.01102



## Approvals

DNV GL https://approvalfinder.dnvgl.com/ TAE00003JE

RS C

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

17.00013.272

cULus Recognized



#### 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

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



#### Accessories

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

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



#### Accessories

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

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



#### Accessories

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

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



#### Accessories

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

#### Documentation

Mounting material - PT-IL - 3208090



Operating decal for the push-in Technology

#### End block

End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

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

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



## Accessories

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

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

#### End cover

End cover - D-PT 1,5/S - 3208142



End cover, length: 45 mm, width: 2.2 mm, height: 24.3 mm, color: gray

End cover - D-PT 1,5/S-0,8 OG - 1029569



End cover, length: 45 mm, width: 0.8 mm, height: 24.3 mm, color: orange

Insulating sleeve



## Accessories

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green





## Accessories

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 2-3,5 - 3213014



Plug-in bridge, pitch: 3.5 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-3,5 - 3213027



Plug-in bridge, pitch: 3.5 mm, number of positions: 3, color: red

Plug-in bridge - FBS 4-3,5 - 3213030



Plug-in bridge, pitch: 3.5 mm, number of positions: 4, color: red



## Accessories

Plug-in bridge - FBS 5-3,5 - 3213043



Plug-in bridge, pitch: 3.5 mm, number of positions: 5, color: red

Plug-in bridge - FBS 10-3,5 - 3213056



Plug-in bridge, pitch: 3.5 mm, number of positions: 10, color: red

Plug-in bridge - FBS 20-3,5 - 3213069



Plug-in bridge, pitch: 3.5 mm, number of positions: 20, color: red

Plug-in bridge - FBS 2-3,5 BU - 3213086



Plug-in bridge, pitch: 3.5 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 3-3,5 BU - 3213099



Plug-in bridge, pitch: 3.5 mm, number of positions: 3, color: blue



## Accessories

Plug-in bridge - FBS 4-3,5 BU - 3213109



Plug-in bridge, pitch: 3.5 mm, number of positions: 4, color: blue

Plug-in bridge - FBS 5-3,5 BU - 3213112



Plug-in bridge, pitch: 3.5 mm, number of positions: 5, color: blue

Plug-in bridge - FBS 10-3,5 BU - 3213125



Plug-in bridge, pitch: 3.5 mm, number of positions: 10, color: blue

Plug-in bridge - FBS 20-3,5 BU - 3213138



Plug-in bridge, pitch: 3.5 mm, number of positions: 20, color: blue

Plug-in bridge - FBS 2-3,5 GY - 3213153



Plug-in bridge, pitch: 3.5 mm, number of positions: 2, color: gray



## Accessories

Plug-in bridge - FBS 3-3,5 GY - 3213167



Plug-in bridge, pitch: 3.5 mm, number of positions: 3, color: gray

Plug-in bridge - FBS 4-3,5 GY - 3213180



Plug-in bridge, pitch: 3.5 mm, number of positions: 4, color: gray

Plug-in bridge - FBS 5-3,5 GY - 3213183



Plug-in bridge, pitch: 3.5 mm, number of positions: 5, color: gray

Plug-in bridge - FBS 10-3,5 GY - 3213196

Plug-in bridge, pitch: 3.5 mm, number of positions: 10, color: gray

Plug-in bridge - FBS 20-3,5 GY - 3213206



Plug-in bridge, pitch: 3.5 mm, number of positions: 20, color: gray

Labeled terminal marker



#### Accessories

Zack marker strip - ZB 3,5 CUS - 0829415



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

## Zack marker strip - ZB 3,5,LGS:FORTL.ZAHLEN - 0801404



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

#### Zack marker strip - ZB 3,5,QR:FORT.ZAHLEN - 0801405



Zack marker strip, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into tall marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

#### Marker for terminal blocks - UCT-TM 3,5 CUS - 0829581



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: 3.5 mm, lettering field size: 2.95 x 10.5 mm, Number of individual labels: 102

### Zack Marker strip, flat - ZBF 3,5 CUS - 0829394



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10



#### Accessories

Zack Marker strip, flat - ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 3,5,QR:FORTL.ZAHLEN - 0801407



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TMF 3,5 CUS - 0829644



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

## Marker carriers

Group marker label for terminal marking - GBS-ZB/26X6 - 0809298



Group marking label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with ESL 26x6 mm or EST 25x6 mm, in the foot part with Zack marker strip, length: 29 mm

#### Partition plate

Partition plate - ATP-ST 4 - 3030721



Partition plate, length: 59.8 mm, width: 2 mm, height: 39 mm, color: gray



#### Accessories

Spacer plate - DP PS-3,5 - 3031011



Spacer plate, length: 15.9 mm, width: 3.5 mm, height: 33.5 mm, number of positions: 1, color: red

#### Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.

#### Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

#### Reducing bridge

Reducing bridge - RB ST (2,5/4)-1,5/S - 3214356



Reducing bridge, pitch: 6.7 mm, length: 22.7 mm, width: 10.4 mm, number of positions: 2, color: red



#### Accessories

Reducing bridge - RB ST 6-1,5/S - 3213250



Reducing bridge, pitch: 8 mm, length: 29.9 mm, width: 12.9 mm, number of positions: 2, color: red

#### Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Actuation tool - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

#### Terminal marking

Zack marker strip - ZB 3,5:UNBEDRUCKT - 0829414



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: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TM 3,5 - 0829484



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: 3.5 mm, lettering field size: 2.95 x 10.5 mm, Number of individual labels: 102



#### Accessories

Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TMF 3,5 - 0829486



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 flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

Marker for terminal blocks - TMT (EX9,5)R - 0828295



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snap into universal marker groove, snap into tall marker groove, for terminal block width: 50000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

Marker for terminal blocks - US-TM 100 - 0829255



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into universal marker groove, lettering field size: 104 x 9.8 mm, Number of individual labels: 13

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray



## Accessories

Test plugs - PS-3,5 - 3031010



Test plugs, Modular test plug, color: red

Test plugs - PS-3,5/E - 3031012



Test plugs, Individual test plug, color: red

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