



At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. HERE



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)



High-current terminal block, Connection method: Power-Turn connection, Cross section: 25 mm² - 95 mm², AWG: 4 - 3/0, Width: 25 mm, Color: gray, Mounting type: NS 35/15

Why buy this product

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- 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
- The compact design enables wiring in a confined space
- In addition to using the existing test connection, pick-off terminal blocks can be connected, each of which can also accommodate two test cables
- Tested for railway applications

Key Commercial Data

Packing unit	10 STK	
GTIN	4 0 4 6 3 5 6 7 7 8 7 2 5	

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	95 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering
	Plant engineering
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	232 A (with 95 mm ² conductor cross section)



Technical data

General

Nominal voltage U _N Open side panel No Open side panel Din En N 50274 (VDE 0680-614):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Result of power-frequency withstand voltage test Result of power-frequency withstand voltage test Result of the test for mechanical stability of terminal points (5 x Conductor connection) Result of bending test Result of bending test Test passed Rending test trotation speed 10 rpm Bending test trotation speed 10 rpm Bending test conductor cross section/weight 25 mm² / 4.5 kg S5 mm² / 4.5 kg S5 mm² / 4.5 kg S6 mm² / 4.5 kg S7 mm² / 4.5 kg S7 mm² / 4.5 kg S8	Nominal current I _N	232 A		
Shock protection test specification DIN EN 50274 (VDE 0660-514);2002-11 Back of the hand protection guaranteed Finger protection guaranteed Surge voltage test set on guaranteed Surge voltage test setpoint Result of power-frequency withstand voltage test Result of power-frequency withstand voltage test Result of power-frequency withstand voltage test Result of bending test for mechanical stability of terminal points (5 x conductor connection) Result of bending test for mechanical stability of terminal points (5 x conductor connection) Result of bending test turns Bending test station speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 25 mm² / 4.5 kg 55 mm² / 4.5 kg Tensile test result Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 331 N Result of light fit on support Test passed Tight fit on carrier Na 53/15 Setpoint 15 N Result of voltage-drop test Requirements, voltage drop 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Test passed Test passed Test passed 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 spectrum Service life test category 2, bogie mounted	Nominal voltage U _N	1500 V		
Back of the hand protection Finger protection guaranteed Surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Test passed Test passed Result of power-frequency withstand voltage test Result of power-frequency withstand voltage test Test passed Test passed Test passed Test passed Bending test test for mechanical stability of terminal points (5 x conductor conductor conductor conductor) Result of bending test Test passed Bending test trotation speed 10 rpm Bending test trotation speed Bending test conductor cross section/weight 25 mm² / 4.5 kg 95 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of tight fit on support Test passed Din En Soits (VDE 0115-200):2008-03 Test specification, oscillation, broadband noise Din En Soits (VDE 0115-200):2008-03 Test specification Service life test category 2, bogie mounted Test fequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level Acceleration	Open side panel	No		
Finger protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test trotation speed Bending test trotation speed Bending test trotation speed Bending test conductor cross section/weight 25 mm² / 4.5 kg Bending test conductor cross section/weight Test passed Conductor cross section tensile test 25 mm² 4 Tensile test result Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of light fit on surpport Test passed Test passed Syd76 Setpoint 15 N Result of voltage-drop test Test passed Test passed Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of figing test Test passed Ageing test for screwless modular terminal block temperature cycles 192 Result of thermal test Test passed Oscillation, broadband noise test result Test speediffication, oscillation, broadband noise DIN EN 5015 (VDE 0115-200) 2008-03 Test specification, oscillation, broadband noise Enter test frequency ASD level 6.12 (m/s²)*/rhz Acceleration	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11		
Result of surge voltage test Surge voltage test setpoint 9.8 kV Result of power-frequency withstand voltage test Test passed Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed 10 rpm Bending test trums 135 Bending test conductor cross section/weight 25 mm² / 4.5 kg 85 mm² / 4.5 kg 85 mm² / 4.4 kg Tensile test result Conductor cross section tensile test 25 mm² Tractive force sepoint 135 N Conductor cross section tensile test 95 mm² Tractive force sepoint Result of vight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint 15 N Result of vidage-drop test Requirements, voltage drop 4 3.2 mV Result of temperature-rise test Test passed Conductor cross section short circuit testing 95 mm² Result of temperature-rise test Test passed Test passed Test passed Requirements, voltage drop 11.4 kA Result of temperature-rise test Test passed Test passed Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of thermal charactenistics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test spassed Test passed Test passed Test passed Test passed Test passed Test passed Proof of thermal charactenistics (needle flame) effective duration Service life test category 2, bogie mounted Test frequency Lection 11.2 ge 4.50 level 6.12 (m/s²) // Hz 4.60 level Acceleration	Back of the hand protection	guaranteed		
Surge voltage test setpoint Result of power-frequency withstand voltage test Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Bending test to feeding test Bending test trotation speed Bending test trotation speed Bending test trotation speed Bending test trons Bending test trons Bending test trons Bending test trons Bending test conductor cross section/weight 25 mm² / 4.5 kg 95 mm²/14 kg Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 135 N Result of light fit on support Test passed Tight fit on carrier NS 35/15 Setpoint 15 N Result of voltage-drop test Requirements, voltage drop \$3.2 mV Result of temperature-rise test Test passed Conductor cross section short circuit testing 95 mm² Result of temperature-rise test Test passed Conductor of voltage drop \$3.2 mV Result of temperature-rise test Test passed Conductor cross section tensile test Test passed Conductor of voltage drop \$3.2 mV Result of voltage drop \$3.2 mV Result of temperature-rise test Test passed Conductor cross section tensile test Test passed Divertime current 11.4 kA Result of temperature-rise test Test passed Divertime current Test passed Oscillation, broadband noise test result Test passed Divertime test result Test passed Divertime test result Test passed Divertime test result Test passed Applied test for screwless modular terminal block temperature cycles Result of terminal brancteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Applied test for screwless modular terminal block temperature cycles Fest passed Oscillation, broadband noise test result Test passed Divertime test result Test passed Applied test result Test passed Divertime test result Test passe	Finger protection	guaranteed		
Result of power-frequency withstand voltage test Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed 10 rpm Bending test tortation speed Bending test turns 135 Bending test conductor cross section/weight 25 mm² / 4.5 kg S9 mm²/14 kg Tensile test result Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of tight fit on support Test passed Tight fit on carrier NS 36/15 Setpoint Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Test passed Short circuit stability result Test passed Test passed Test passed Test passed Ageing test for screwless modular terminal block temperature cycles Result of themal characteristics (needle flame) effective duration Service life test category 2, bogie mounted Test passed Test passed Test passed Test passed Test passed Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test precification, oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie mounted Test precification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie mounted Test precification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie mounted Test precification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Service life test category 2, bogie mounted Test frequency f. = 6 Hz to f. = 250 Hz ACCEIVATION 2012 ACCEIVATION 2012 ACCEIVATION 2012 ACCEIVATION 2012 ACCEIVATION 2012 ACCEIVATION 2012 Test pasced DIN EN 50155 (VDE 0115-200):2008-03 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Result of surge voltage test	Test passed		
Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Result of bending test Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 25 mm² / 4.5 kg 95 mm² / 14.5 kg Tensile test result Tensile test result Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint Test passed Test passed 15th fit on carrier NS 35/15 Setpoint 15 N Result of tight fit on support 15 N Result of voltage-drop test Requirements, voltage drop 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal characteristics (needle flame) effective duration 0 scillation, broadband noise test result Test passed Test passed Test passed Test passed Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test frequency f, = 5 Hz to f, = 250 Hz ASD level ACceleration 3.12 g	Surge voltage test setpoint	9.8 kV		
Result of bending test Test passed Bending test turns 10 rpm Bending test turns 135 Bending test conductor cross section/weight 25 mm² / 4.5 kg Fensile test result Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint NS 351 N Result of light fit on support Test passed Tight fit on carrier NS 35/15 Setpoint 15 N Result of voltage-drop test Test passed Requirements, voltage drop 3.2 mV Result of temperature-rise test Test passed Conductor cross section short circuit testing 95 mm² Test passed Test passed Test passed Requirements test Test passed Test passed Test passed Conductor cross section short circuit testing 95 mm² Test passed Test passed Conductor cross section short circuit testing 95 mm² Short-time current 114 kA Result of aging test Test passed Test passed Test passed Test passed Test passed Ordiction for particular testing 192 Result of thermal test Test passed Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency If = 5 Hz to fs = 250 Hz ASD level ACceleration 3.12 g	Result of power-frequency withstand voltage test	Test passed		
Bending test rotation speed Bending test turns Bending test turns Bending test conductor cross section/weight 25 mm² / 4.5 kg 95 mm² / 14.5 kg Testile test result Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Test passed Requirements, voltage drop \$\leq\$ 3.2 mV Result of temperature-rise test Test passed Short-time current 114 kA Result of aging test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal characteristics (needle fiame) effective duration Oscillation, broadband noise test result Test passed Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level ASD level Acceleration		Test passed		
Bending test turns Bending test conductor cross section/weight 25 mm² / 4.5 kg 95 mm²/14 kg Tensile test result Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint Conductor cross section tensile test 95 mm² Tractive force setpoint Tractive force setpoint Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Test passed Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Test passed Ageing test for screwless modular terminal block temperature cycles Regular of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test pecification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level Acceleration 3.12 g	Result of bending test	Test passed		
Bending test conductor cross section/weight 25 mm² / 4.5 kg 95 mm²/14 kg Tensile test result Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 75 m² Tractive force setpoint Test passed Tiractive force setpoint Test passed Tiractive force setpoint Test passed Tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Test passed Test passed Requirements, voltage drop ₹ 3.2 mV Result of temperature-rise test Test passed Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of themal test Test passed Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency f₁ = 5 Hz to f₂ = 250 Hz ASD level Acceleration 3.12 g	Bending test rotation speed	10 rpm		
95 mm²/14 kg Tensile test result Test passed Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint 15 N Result of voltage-drop test Test passed Requirements, voltage drop \$\leq 3.2 \text{ my}\$ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles 192 Result of thermal test Test passed 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 ₁ = 5 Hz to f ₂ = 250 Hz ASD level ASD level 6.12 (m/s²)²/Hz Acceleration	Bending test turns	135		
Tensile test result Conductor cross section tensile test 25 mm² Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint Result of tight fit on support Test passed Tight fit on carrier Setpoint Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted fest frequency ASD level ASD level Acceleration	Bending test conductor cross section/weight	25 mm² / 4.5 kg		
Conductor cross section tensile test Tractive force setpoint 135 N Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles 192 Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency \$\int_1 = 5 \text{ Hz} \to 6_2 = 250 \text{ Hz} Asceleration 3.12 g		95 mm²/14 kg		
Tractive force setpoint Conductor cross section tensile test 95 mm² Tractive force setpoint 351 N Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Test passed Test passed Test passed Test passed Tost passed Requirements, voltage drop Som 2 Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test spectfication, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration	Tensile test result	Test passed		
Conductor cross section tensile test Tractive force setpoint Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Requirements, voltage drop Est passed Test passed Requirements, voltage drop Est passed Short circuit stability result Conductor cross section short circuit testing Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectfrum Service life test category 2, bogie mounted Test frequency ASD level 6.12 (m/s ²) ² /Hz Acceleration	Conductor cross section tensile test	25 mm²		
Tractive force setpoint Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing Short-time current 11.4 kA Result of aging test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency ASD level Asceleration 3.12 g	Tractive force setpoint	135 N		
Result of tight fit on support Test passed Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Requirements, voltage drop Est passed Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency $f_1 = 5$ Hz to $f_2 = 250$ Hz ASD level Acceleration 3.12 g	Conductor cross section tensile test	95 mm²		
Tight fit on carrier NS 35/15 Setpoint Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency f_1 = 5 Hz to f_2 = 250 Hz ASD level Acceleration 3.12 g	Tractive force setpoint	351 N		
Setpoint 15 N Result of voltage-drop test Test passed Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 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 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_1 = 5 Hz to f_2 = 250 Hz ASD level $6.12 (\text{m/s}^2)^2/\text{Hz}$ Acceleration 3.12 g	Result of tight fit on support	Test passed		
Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Test passed Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 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 $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level 6.12 $(\text{m/s}^2)^2/\text{Hz}$ Acceleration 3.12 g	Tight fit on carrier	NS 35/15		
Requirements, voltage drop $\leq 3.2 \mathrm{mV}$ Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 95 mm² Short-time current 11.4 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 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 $f_1 = 5 \mathrm{Hz}$ to $f_2 = 250 \mathrm{Hz}$ ASD level $6.12 \mathrm{(m/s^2)^2/Hz}$ Acceleration 3.12 g	Setpoint	15 N		
Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing 95 mm^2 Short-time current 11.4 kA Result of aging testTest passedAgeing test for screwless modular terminal block temperature cycles 192 Result of thermal testTest passedProof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 2, bogie mountedTest 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 g	Result of voltage-drop test	Test passed		
Short circuit stability result Conductor cross section short circuit testing 95 mm² Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g	Requirements, voltage drop	≤ 3.2 mV		
Conductor cross section short circuit testing Short-time current 11.4 kA Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 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 ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g	Result of temperature-rise test	Test passed		
Short-time current Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 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 ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g	Short circuit stability result	Test passed		
Result of aging test Ageing test for screwless modular terminal block temperature cycles Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Test passed Test passed DIN EN 50155 (VDE 0115-200):2008-03 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration 3.12 g	Conductor cross section short circuit testing	95 mm²		
Ageing test for screwless modular terminal block temperature cycles192Result of thermal testTest passedProof of thermal characteristics (needle flame) effective duration30 sOscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 2, bogie mountedTest 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 g	Short-time current	11.4 kA		
Result of thermal testTest passedProof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 2, bogie mountedTest 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 g	Result of aging test	Test passed		
Proof of thermal characteristics (needle flame) effective duration30 sOscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 2, bogie mountedTest 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 g	Ageing test for screwless modular terminal block temperature cycles	192		
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 $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level 6.12 $(\text{m/s}^2)^2/\text{Hz}$ Acceleration 3.12 g	Result of thermal test	Test passed		
Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie mounted 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 g	Proof of thermal characteristics (needle flame) effective duration	30 s		
Test spectrum Service life test category 2, bogie mounted 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 g	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 g	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03		
ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g	Test spectrum	Service life test category 2, bogie mounted		
Acceleration 3.12 g	Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$		
	ASD level	6.12 (m/s²)²/Hz		
Test duration per axis 5 h	Acceleration	3.12 g		
	Test duration per axis	5 h		



Technical data

General

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		

Dimensions

Width	25 mm	
Length	105.5 mm	
Height NS 35/15	108.7 mm	

Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	25 mm²
Conductor cross section solid max.	95 mm²
Conductor cross section AWG min.	4
Conductor cross section AWG max.	3/0
Conductor cross section flexible min.	25 mm ²
Conductor cross section flexible max.	95 mm²
Min. AWG conductor cross section, flexible	4
Max. AWG conductor cross section, flexible	4/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	95 mm²
Cross section with insertion bridge, solid max.	95 mm²
Cross section with insertion bridge, stranded max.	70 mm²
Cross section with insertion bridge, solid max.	95 mm²
Cross section with insertion bridge, stranded max.	70 mm ²
Stripping length	40 mm

Standards and Regulations

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



Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / CSA / LR / BV / GL / cULus Recognized

Ex Approvals

IECEx / ATEX / EAC Ex

Approvals submitted

Approval details



Approvals

mm²/AWG/kcmil		4-4/0		
Nominal current IN		230 A		
Nominal voltage UN		1000 V		
cUL Recognized 1				
COL NECUGINZEU & F		С		
mm²/AWG/kcmil		4-4/0		
Nominal current IN		230 A		
Nominal voltage UN		1000 V		
Trominal voltage or		1000 V		
EAC				
LAO				
EAC				
EAC				
CSA (II)				
	В	В		
mm²/AWG/kcmil	4-4/0	4-4/0		
HIIII-/AVVG/KCIIIII	230 ∆	230 A		
Nominal current IN	1 200 A			

cULus Recognized calls

BV

GL



Circuit diagram

 \sim

Phoenix Contact 2016 © - all rights reserved http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG Flachsmarktstr. 8 32825 Blomberg Germany Tel. +49 5235 300

Fax +49 5235 3 41200

http://www.phoenixcontact.com





Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, <u>click on the green button</u>.

Product	Code	Reference	Product link
High-current terminal block, Connection method: Power-Turn connection, Cross section: 25 mm² - 95 mm², AWG: 4 - 3/0, Width: 25 mm, Color: gray, Mounting type: NS 35/15	3260100	PTPOWER 95	Buy on EAN