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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

### Why buy this product

- Universal foot which can be used on NS 35... and NS 32... DIN rails
- The UK universal screw terminal block series has the typical features which are decisive for practical applications
- Potential distribution via fixed bridges in the terminal center or insertion bridges in the clamping space



### **Key Commercial Data**

Packing unit	1 pc
GTIN	4 017918 090760
Weight per Piece (excluding packing)	9.23 GRM
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
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum load current	41 A (with 6 mm² conductor cross section)

May/26/2016 Page 1 / 26



### Technical data

### General

Nominal voltage U <sub>II</sub> Open side panel Yes Shock protection test specification Din En S0274 (VDE 0660-514):2002-11 Back of the hand protection Guaranteed Finger protection Finger protection Finger protection Guaranteed Finger protection Guaranteed Finger protection Finger protection Finger protection Guaranteed Finger protection Guaranteed Finger protection Finger protection Finger protection Finger protection Finger protection Guaranteed Finger protection Finder Finger protection Finger protection Finder Finger F	Nominal current I <sub>N</sub>	32 A
Open side panel Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Gringer protection guaranteed Surger voltage test Surge voltage test Surge voltage test setpoint Surger voltage test setpoint Sesuit of surger voltage test setpoint Sesuit of power-frequency withstand voltage setpoint Sesuit of power-frequency withstand voltage setpoint Sesuit of power-frequency withstand voltage setpoint Sesuit of benefancial stability of terminal points (5 x Conductor connection) Sesuit of benefancial stability of terminal points (5 x Sesting to benefancial stability of		800 V
Snock protection test specification  Back of the hand protection  Back of the hand protection of the sased  Back of t	-	
Back of the hand protection guaranteed Finger protection guaranteed Surge voltage test setpoint 9.8 kV  Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 kV  Result of power-frequency withstand voltage setpoint 2 kV  Result of power-frequency withstand voltage setpoint 2 kV  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test Bending test to machanical stability of terminal points (5 x conductor connection)  Result of bending test Bending test totation speed 10 rpm  Bending test totation speed 10 rpm  Bending test totation speed 10 rpm  Bending test conductor cross section/weight 0.2 mm² / 0.2 kg  Test passed 14 mm² / 0.9 kg  Test passed 15 mm² / 1.4 kg  Tensile test result 7 test passed 10 rpm² / 0.2 mm²  Tractive force setpoint 10 N 10 ractive force setpoint 10 nm² / 1		•
Finger protection guaranteed Result of surge voltage test Test passed  Result of power-frequency withstand voltage test  Power frequency withstand voltage setpoint  Result of power-frequency withstand voltage setpoint  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Result of bending test  Bending test rotation speed  Bending test totation speed  Bending test totation speed  Bending test tonductor cross section/weight  0.2 mm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm³  Conductor cross section tensile test  6 nm³  Tractive force setpoint  Conductor cross section tensile test  6 nm³  Tractive force setpoint  Result of light fit on support  Tractive force setpoint  80 N  Result of light fit on carrier  NS 32/NS 35  Setpoint  5 N  Result of voltage-drop test  Requirements, voltage drop  2.3 mV  Result of voltage-drop test  Result of representative-fise test  Test passed  Short circuit stability result  Test passed  Short-time current  0.48 kA  Conductor cross section short circuit testing  6 mm³  Short-time current  0.72 kA  Test passed  Test passed  Foot of thermal test  Test passed  Foot of thermal characteristics (needle flame) effective duration  30 s  DIN EN 50155 (VDE 0115-200):2008-03		
Result of surge voltage test Surge voltage test setpoint Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of power-frequency withstand voltage setpoint 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 tortation speed 10 rpm Bending test conductor cross section/weight 0.2 mm² / 0.2 kg  4 mm² / 0.9 kg  Conductor cross section tensile test 0.2 mm² Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of field for usupport Test passed Tight fit on carrier NS 32/NS 35 Setpoint 5 N Result of voltage-drop test Result of voltage-drop test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 4 mm² Result of themperature-rise test Test passed 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 Test passed Test passed Test passed Test passed Tonductor cross section short circuit testing 6 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		l <sup>*</sup>
Surge voltage test setpoint 9.8 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 kV 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 Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Result of bending test Result of bending test rotation speed 10 rpm  Bending test rotation speed 10 rpm  Bending test conductor cross section/weight 0.2 mm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Tensile test result Test passed Conductor cross section tensile test 0.2 mm² Tractive force setpoint 10 N Conductor cross section tensile test 4 mm² Conductor cross section tensile test 4 mm² Tractive force setpoint 80 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of light fit on support Test passed Tight fit on surport 5 N Result of light fit on support Test passed Setpoint 5 N Result of voltage-drop test Test passed Setpoint Test passed Short circuit stability result Test passed 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		7
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test totation speed Result of bending test totation speed Rending test rotation speed Rending test conductor cross section/weight Rending test conductor cross section/weight Rending test conductor cross section/weight Rending test result Rending test result Result of service setpoint Result of conductor cross section tensile test Rending test result Rending test result Result of service setpoint Resul		
Power frequency withstand voltage setpoint  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Bending test trotation speed  Bending test turns  Bending test turns  Bending test conductor cross section/weight  10		
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 turns  135  Bending test turns  136  Bending test conductor cross section/weight  0.2 mm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  Result of voltage-drop test  Requirements, voltage drop  \$3.2 mV  Result of temperature-rise test  Test passed  Short-time current  0.48 kA  Conductor cross section short circuit testing  8 mm²  Short-time current  0.72 kA  Result of thermal test  Test passed  Test passed  Test passed  Oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03		
Bending test rotation speed  Bending test turns  Bending test turns  Bending test conductor cross section/weight  135  Bending test conductor cross section/weight  10 cmm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  80 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  \$\leq 3.2 \text{ mV}\$  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  Test passed  Test passed  Proof of thermal characteristics (needle flame) effective duration  Soliation, broadband noise bet result  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	Result of the test for mechanical stability of terminal points (5 x	
Bending test turns  Bending test conductor cross section/weight  0.2 mm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  5 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  5 N  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  4 mm²  Short-time current  0.48 kA  Conductor cross section short circuit testing  6 mm²  Test passed  Proof of thermal test  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	Result of bending test	Test passed
Bending test conductor cross section/weight  0.2 mm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  5 N  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  4 mm²  Short-time current  0.72 kA  Result of thermal test  Proof of thermal characteristics (needle flame) effective duration  Oscillation, broadband noise est result  Test spassed  DIN EN 50155 (VDE 0115-200):2008-03	Bending test rotation speed	10 rpm
4 mm² / 0.9 kg 6 mm² / 1.4 kg  Tensile test result Test passed Conductor cross section tensile test 0.2 mm² Tractive force setpoint 10 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 5 mm² Tractive force setpoint 7 m² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 5 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 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 0 scillation, broadband noise test result Test passed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Bending test turns	135
Tensile test result Test passed  Conductor cross section tensile test 0.2 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Conductor cross section tensile test 6 mm²  Tractive force setpoint 80 N  Result of tight fit on support Test passed  Requirements, voltage drop 8.3 2 mV  Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing Test passed  Conductor cross section tensile test Test passed 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 Test passed Test passed Test passed Test passed Onductor cross section short circuit testing 5 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 Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Bending test conductor cross section/weight	0.2 mm² / 0.2 kg
Tensile test result  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  Setpoint  Fest passed  Test passed  Test passed  Test passed  Requirements, voltage drop  Support  Test passed  Test passed  Test passed  Test passed  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  Test passed  Proof of thermal characteristics (needle flame) effective duration  Oscillation, broadband noise bull in the state in the passed  DIN EN 50155 (VDE 0115-200):2008-03		4 mm² / 0.9 kg
Conductor cross section tensile test  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  80 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  4 ms²  Test passed  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  Test passed  Proof of thermal characteristics (needle flame) effective duration  Oscillation, broadband noise test result  Test passed  DIN EN 50155 (VDE 0115-200):2008-03		6 mm <sup>2</sup> / 1.4 kg
Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Tight fit on carrier  NS 32/NS 35  Setpoint  Fesult of voltage-drop test  Requirements, voltage drop  Est passed  Trest passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  A 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  DIN EN 50155 (VDE 0115-200):2008-03	Tensile test result	Test passed
Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Conductor cross section tensile test 6 mm²  Tractive force setpoint 80 N  Result of tight fit on support Test passed  Tight fit on carrier NS 32/NS 35  Setpoint 5 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 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  DIN EN 50155 (VDE 0115-200):2008-03	Conductor cross section tensile test	0.2 mm <sup>2</sup>
Tractive force setpoint  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Tight fit on carrier  NS 32/NS 35  Setpoint  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  O.48 kA  Conductor cross section short circuit testing  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  DIN EN 50155 (VDE 0115-200):2008-03	Tractive force setpoint	10 N
Conductor cross section tensile test  Fractive force setpoint  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  Solve the sequence of the sequence o	Conductor cross section tensile test	4 mm²
Tractive force setpoint  Result of tight fit on support  Test passed  Tight fit on carrier  NS 32/NS 35  Setpoint  Setpoint  Result of voltage-drop test  Requirements, voltage drop  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  Test passed	Tractive force setpoint	60 N
Result of tight fit on support  Test passed  NS 32/NS 35  Setpoint  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  Conductor cross section short circuit testing  Short-time current  Conductor test section short circuit testing  Short-time current  Conductor cross section short circuit testing  Short-time current  Conductor cross section short circuit testing  Short-time current  Conductor cross section short circuit testing  Short-time current  Test passed  Conductor cross section short circuit testing  Short-time current  Test passed  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	Conductor cross section tensile test	6 mm <sup>2</sup>
Tight fit on carrier  Setpoint  Setpoint  Setpoint  Result of voltage-drop test  Requirements, voltage drop  ✓ 3.2 mV  Result of temperature-rise test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  O.48 kA  Conductor cross section short circuit testing  Short-time current  O.72 kA  Result of thermal test  Test passed  O.72 kA  Result 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	Tractive force setpoint	80 N
Setpoint       5 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       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 specification, oscillation, broadband noise       DIN EN 50155 (VDE 0115-200):2008-03	Result of tight fit on support	Test passed
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       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 specification, oscillation, broadband noise       DIN EN 50155 (VDE 0115-200):2008-03	Tight fit on carrier	NS 32/NS 35
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       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 specification, oscillation, broadband noise       DIN EN 50155 (VDE 0115-200):2008-03	Setpoint	5 N
Result of temperature-rise test  Test passed  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  Oscillation, broadband noise test result  Test passed  Test passed  Test passed  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	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  Test passed  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	Requirements, voltage drop	≤ 3.2 mV
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  Test passed  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	Result of temperature-rise test	Test passed
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 specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03	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  Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Conductor cross section short circuit testing	4 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 specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03	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  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03	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  Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Short-time current	0.72 kA
Oscillation, broadband noise test result  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03	Result of thermal test	Test passed
Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Proof of thermal characteristics (needle flame) effective duration	30 s
	Oscillation, broadband noise test result	Test passed
Test spectrum Service life test category 1, class B, body mounted	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
	Test spectrum	Service life test category 1, class B, body mounted



### Technical data

### General

Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
ASD level	0.02 g²/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 (10-150-10 Hz)
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))	130 °C
Static insulating material application in cold	-60 °C

### Dimensions

Width	6.2 mm
End cover width	1.8 mm
Length	42.5 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.5 mm
Height NS 32	52 mm

### Connection data

Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	4 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	4 mm²



### Technical data

### Connection data

2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	4 mm²
Cross section with insertion bridge, stranded max.	4 mm²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm²
Stripping length	8 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

### Standards and Regulations

Connection in acc. with standard	CSA
	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



### Classifications

### eCl@ss

	eCl@ss 9.0	27141120
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#### **ETIM**

ETIM 2.0	EC000897
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

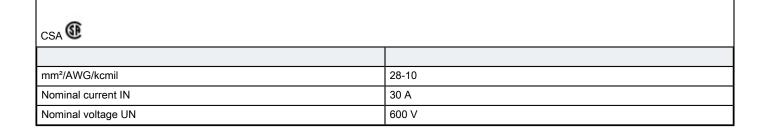
 ${\sf CSA / UL \ Recognized / KEMA-KEUR / cUL \ Recognized / LR / DNV / RS / PRS / KR / NK / IECEE \ CB \ Scheme / LR / EAC / EAC / GL / cULus \ Recognized }$ 

Ex Approvals

IECEx / ATEX / EAC Ex / GL

Approvals submitted

### Approval details





### Approvals

UL Recognized <b>\$1</b>		
mm²/AWG/kcmil	30-10	
Nominal current IN	30 A	
Nominal voltage UN	600 V	
KEMA-KEUR KEMA		
mm²/AWG/kcmil	4	
Nominal voltage UN	800 V	
cUL Recognized		
mm²/AWG/kcmil	30-10	
Nominal current IN	30 A	
Nominal voltage UN	600 V	
	<u> </u>	
LR		
mm²/AWG/kcmil	10	
Nominal current IN	57 A	
Nominal voltage UN	800 V	
DNV		
DC.		
RS		
PRS		
KR		
NK		



### Approvals

IECEE CB Scheme CB.			
mm²/AWG/kcmil	4		
Nominal voltage UN	800 V		
LR			
mm²/AWG/kcmil	4		
Nominal current IN	32 A		
Nominal voltage UN	800 V		
EAC			
EAC			
GL			
cULus Recognized • Sus			

### Accessories

Accessories

Bridge

Fixed bridge - FB-150 METER - 0201595



Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long

Cover profile



### Accessories

Cover profile - EA 5 - 1024014



Single covers, color: transparent

Cover profile - EA 5-WS - 1024085



Single covers, for covering one terminal block, with black symbol (lightning flash) snap fit, color: transparent/yellow

#### DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m  $\,$ 

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m  $\,$ 

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



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm



### Accessories

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



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m



### Accessories

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m



### Accessories

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m



### Accessories

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



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

### 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 clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, 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 cover

End cover - D-UK 4/10 - 3003020



End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 35.9 mm, Color: gray

### Insertion bridge

Insertion bridge - EB 2- 6 - 0201155



Insertion bridge, Pitch: 6.2 mm, Number of positions: 2, Color: gray



### Accessories

Insertion bridge - EB 3- 6 - 0201142



Insertion bridge, Pitch: 6.2 mm, Number of positions: 3, Color: gray

Insertion bridge - EB 10-6 - 0201139



Insertion bridge, Pitch: 6.2 mm, Number of positions: 10, Color: gray

### Insulating sleeve

Bridge bar isolator - IS-K 4 - 1302338



Bridge bar isolator, Color: gray

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red



### Accessories

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

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

Labeled terminal marker



#### Accessories

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: 6.15 x 10.5 mm

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



Zack marker strip, Strip, white, labeled, can be labeled with: 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: 6.15 x 10.5 mm

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



Zack marker strip, Strip, white, labeled, can be labeled with: 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: 6.15 x 10.5 mm

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



Zack marker strip, Strip, white, labeled, can be labeled with: 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: 6.15 x 10.5 mm

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



Marker for terminal blocks, Strip, white, labeled, can be labeled with: 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: 6.15 x 10.5 mm



#### Accessories

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



Marker for terminal blocks, Strip, white, labeled, can be labeled with: 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: 6.15 x 10.5 mm

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: 5.6 x 10.5 mm

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: 5.6 x 10.5 mm

#### Mounting material

Screw - ZSR - 2303608



Screw

Mounting clip - ZSR-EX - 0200017



Distance piece, metal, for branches of FB-150, with screw and thrust washer

Partition plate



### Accessories

Separating plate - TS-K - 1302215



Separating plate, Length: 22 mm, Width: 0.5 mm, Height: 22 mm, Color: gray

Partition plate - ATP-UK - 3003224



Partition plate, Length: 56 mm, Width: 1.5 mm, Height: 45.7 mm, Color: gray

### 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.

#### Screw bridge

Step bracket - STL 10N/5N - 0204110



Step bracket, Pitch: 5 mm, Number of positions: 2, Color: silver



### Accessories

Step bracket - STL 35/5 - 0204107



Step bracket, Pitch: 5 mm, Number of positions: 2, Color: silver

Jumper - ISSBI 10-6 - 0301505



Jumper, Pitch: 6 mm, Number of positions: 10, Color: silver

Jumper - LB 10-6 BU - 0202280



Jumper, Pitch: 6 mm, Number of positions: 10, Color: blue

Jumper - LB 10-6 GY - 0202358



Jumper, Pitch: 6 mm, Number of positions: 10, Color: gray

Jumper - LB 100-6 GY - 0202345



Jumper, Pitch: 6 mm, Number of positions: 100, Color: gray



### Accessories

Jumper - LB 100-6 BU - 0202303



Jumper, Number of positions: 100, Color: blue

Chain bridge - KB- 6-EX - 0201485



Chain bridge, Number of positions: 1, Color: silver

Fixed bridge - FB 100- 6 - 0201524



Fixed bridge, Pitch: 6 mm, Number of positions: 100, Color: silver

Fixed bridge - FBI 2- 6 - 0203438



Fixed bridge, Pitch: 6 mm, Number of positions: 2, Color: silver

Fixed bridge - FBI 10- 6 - 0203250



Fixed bridge, Pitch: 6 mm, Number of positions: 10, Color: silver



### Accessories

Fixed bridge - FB 3- 6-EX - 0201469



Fixed bridge, Number of positions: 3, Color: silver

Fixed bridge - FB 2- 6-EX - 0201456



Fixed bridge, Pitch: 6 mm, Number of positions: 2, Color: silver

Fixed bridge - FB 5- 6 - 0201029



Fixed bridge, Pitch: 6 mm, Number of positions: 5, Color: silver

Fixed bridge - FBI 100- 6 - 0201650



Fixed bridge, Pitch: 6 mm, Number of positions: 100, Color: silver

Fixed bridge - FBI 20- 6 - 0201867



Fixed bridge, Pitch: 6 mm, Number of positions: 20, Color: silver



### Accessories

Fixed bridge - FB 10- 6-EX - 0201281



Fixed bridge, Pitch: 6 mm, Number of positions: 10, Color: silver

Fixed bridge - FB 10- 6 - 0201184



Fixed bridge, Pitch: 6.2 mm, Number of positions: 10, Color: silver

Jumper - LB 100-6 RD - 0202316



Jumper, Number of positions: 100, Color: red

Jumper - LB 10-6 RD - 0202293



Jumper, Pitch: 6 mm, Number of positions: 10, Color: red

#### Short-circuit connector

Short-circuit connector - KSS 6 - 0301547



Short-circuit connector, Pitch: 6 mm, Number of positions: 2, Color: black



### Accessories

Short-circuit connector - KSS 3-6 - 0309523



Short-circuit connector, Pitch: 6 mm, Number of positions: 3, Color: black

#### Switching jumper

Switching jumper - USBRJ 2-7 - 2305538



Switching jumper, Number of positions: 2, Color: silver

Switching jumper - USBR 2-7 - 2303239



Switching jumper, Pitch: 7 mm, Number of positions: 2, Color: silver

### Terminal marking

Marker card - SBS 6:UNBEDRUCKT - 1007222



Marker card, Card, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 6 x 6.1 mm

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm



### Accessories

Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Test plug terminal block

Test plugs - PS-UK 2,5 B/Z-6 - 3001239



Test plugs, Color: red

Test plugs - PS-UK 2,5 B/E - 3001132



Test plugs, Color: red

Reducing plug - RPS - 0201647



Reducing plug, Color: gray



### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

#### Test socket

Female test connector - PSBJ 3/13/4 - 0201304



Female test connector, Color: silver

Female test connector - PSB 3/10/4 - 0601292



Female test connector, Color: silver

### Warning label printed

Warning label - WS 3- 6 - 1004115



Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 6 mm

Warning label - WS 4- 6 - 1004209

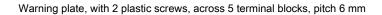
Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 6 mm





### Accessories

Warning label - WS 5- 6 - 1004403





### Drawings

Circuit diagram



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