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High-current terminal block, Connection method: Power-Turn connection, Number of positions: 1, Cross section: 50 mm² - 150 mm², AWG: 1/0 - 300 kcmil, Width: 31 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

### **Key Commercial Data**

Packing unit	3 STK
GTIN	4 046356 902366

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	150 mm <sup>2</sup>
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
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	309 A (with 150 mm² conductor cross section)
Nominal current I <sub>N</sub>	309 A
Nominal voltage U <sub>N</sub>	1500 V
Open side panel	No
Number of positions	1



### Technical data

### General

Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Test passed Surge voltage test setpoint 14.8 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 6kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Power frequency withstand voltage setpoint 7 Test passed Power frequency withstand voltage setpoint 8 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Power frequency withstand voltage setpoint 10 rpm  Bending test trotation speed 10 rpm  Bending test conductor cross section/weight 15 mm² / 15 kg  Test passed 150 mm² / 15 kg  Test passed 150 mm² Tractive force setpoint 298 N Conductor cross section tensile test 150 mm² Tractive force setpoint 427 N Result of tight fit on support 150 mm² Tractive force setpoint 15 N Result of typic fit on carrier 15 N Result of typic fit on support 15 N Result of typic fit on carrier 15 N Result of voltage-drop test 15 N Result of voltage-drop test 15 N Result of voltage drop 15 N Result of remperature-rise test 15 N Result of pagnetative rise test 15 N Result of pagneta	Charle restaction test enseitingtion	DIN EN 50274 (VDE 0000 544)-2000 44		
Finger protection Result of surge voltage test setpoint Result of surge voltage test setpoint Result of power-frequency withstand voltage test Power frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor commection) Result of bending test Result of bending test Bending test trotation speed 10 rpm Bending test turns 135 Bending test turns Result of the set for mechanical stability of terminal points (5 x conductor cross section/weight 150 mm² / 15 kg Tensile test result Test passed Conductor cross section tensile test 50 mm² / 15 kg Tensile test result Tractive force setpoint 236 N Conductor cross section tensile test 150 mm² Tractive force setpoint 427 N Result of sight fit on support Tractive force setpoint Test passed Test passed Test passed Requirements, voltage drop test Result of voltage-drop test Result of voltage-drop test Result of voltage-drop test Test passed Short circuit stability result Test passed Short circuit stability result Test passed Test passed Result of memanture-rise test Test passed Test passed Result of memanture-rise test Test passed Test passed Test passed Result of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test spassed DIN EN SOTSS (VDE 0115-200):2008-03 Test specification operalists (needle flame) effective duration Test frequency f, 5 Hz to 6, = 150 Hz Acceleration Set directions X. Y- and Z-axis		DIN EN 50274 (VDE 0660-514):2002-11		
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Surge voltage test setpoint Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of being test conductor connection Result of bending test Bending test trotation speed 10 rpm Bending test trums 135 Bending test conductor cross section/weight 50 mm² / 9.5 kg 150 mm² / 15 kg Tensile test result Conductor cross section tensile test 50 mm² Tractive force setpoint Conductor cross section tensile test 150 mm² Tractive force setpoint 427 N Result of pith fit on support Test passed Test pass				
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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 turns  Bending test conductor cross section/weight  50 mm² / 15 kg  Tensile test result  Test passed  Conductor cross section tensile test  50 mm²  Tractive force setpoint  Conductor cross section tensile test  150 mm²  Tractive force setpoint  427 N  Result of tight fit on support  Tight fit on carrier  NS 35/15-2,3 UNGELOCHT  Result of Voltage-drop test  Test passed  Conductor cross section tensile test  150 mm²  Test passed  Conductor cross section tensile test  Test passed  Conductor cross section short circuit testing  150 mm²  Test passed  Din En Sol 155 (VDE 0115-200):2009-03  Test specification, oscillation, broadband noise test result  Test passed  Din En Sol 155 (VDE 0115-200):2009-03  Test pascification, oscillation, broadband noise test result  Test passed  Din En Sol 155 (VDE 0115-200):2009-03  Test pascification, oscillation, broadband noise test result  Test frequency  f, = 5 ftz to f, = 150 Hz  Acceleration  Test duration per axis  X., Y. and Z-axis		<u>'</u>		
Result of bending test Bending test troation speed Bending test troation speed Bending test troation speed Bending test troation speed Bending test trons Bending		6 kV		
Bending test turns  Bending test turns  Bending test turns  Bending test conductor cross section/weight  50 mm² / 15 kg  Test passed  Conductor cross section tensile test  50 mm²  Tractive force setpoint  Conductor cross section tensile test  50 mm²  Tractive force setpoint  Conductor cross section tensile test  50 mm²  Tractive force setpoint  427 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35/15-2,3 UNGELOCHT  Setpoint  15 N  Result of voltage-drop test  Requirements, voltage drop  4.2 nV  Result of circuit stability result  Test passed  Tonductor cross section short circuit testing  Test passed  Conductor dross section tensile test  Test passed  Requirements, voltage drop  15 N  Result of ordinary fit of temperature-rise test  Test passed  Conductor cross section short circuit testing  150 mm²  Test passed  Conductor cross section short circuit testing  Test passed  Ageing test for screwless modular terminal block temperature cycles  Result of thermal test  Test passed		Test passed		
Bending test turns  Bending test conductor cross section/weight  50 mm² / 9.5 kg  Testile test result  Conductor cross section tensile test  50 mm²  Tractive force setpoint  Conductor cross section tensile test  150 mm²  Tractive force setpoint  236 N  Conductor cross section tensile test  150 mm²  Tractive force setpoint  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35/15-2,3 UNGELOCHT  Setpoint  15 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  2.3.2 mV  Result of temperature-rise test  Test passed  Conductor cross section short circuit testing  Short-time current  18 kA  Result of aging test for screwless modular terminal block temperature cycles  Result 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 spectrum  Service life test category 1, class B, body mounted  Test frequency  f, = 5 Hz to f₂ = 150 Hz  ASD level  Acceleration  0.58 g  Test duration per axis  5 h  Test directions	Result of bending test	Test passed		
Bending test conductor cross section/weight    150 mm² / 15 kg     Tensile test result   Test passed     Conductor cross section tensile test   50 mm²     Tractive force setpoint   236 N     Conductor cross section tensile test   150 mm²     Tractive force setpoint   427 N     Result of tight fit on support   Test passed     Tight fit on carrier   NS 35/15-2,3 UNGELOCHT     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     Short circuit stability result   Test passed     Short directive force section short circuit testing   150 mm²     Short-time current   18 kA     Result of aging test   Test passed     Result of temperature section short circuit testing   192     Result of thermal test   Test passed     Proof of thermal test   Test passed     Proof of thermal characteristics (needle flame) effective duration   30 s     Oscillation, broadband noise test result   Test passed     Proof of thermal characteristics (needle flame) effective duration   Solvis (VDE 0115-200):2008-03     Test spectrum   Service life test category 1, class B, body mounted     File of File Lest of passed   0.964 (m/s²)²/Hz     ASD level   0.964 (m/s²)²/Hz     Acceleration   0.58 g     Test duration per axis   5 h     Test directions   X-, Y- and Z-axis	Bending test rotation speed	10 rpm		
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Conductor cross section tensile test  Tractive force setpoint  Conductor cross section tensile test  150 mm²  Tractive force setpoint  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35/15-2,3 UNGELOCHT  Setpoint  Result of voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed  Test passed  Tost passed  Tost passed  Conductor cross section short circuit testing  150 mm²  Short-time current  Result of aging test  Ageing test for screwless modular terminal block temperature cycles  Result of thermal test  Test passed  Coscillation, broadband noise test result  Test passed  Test passed  Test passed  Result 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 1, class B, body mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  Acceleration  0.58 g  Test duration per axis  Test directions  X-, Y- and Z-axis		150 mm² / 15 kg		
Tractive force setpoint  Conductor cross section tensile test  150 mm²  Tractive force setpoint  Result of tight fit on support  Test passed  Tight fit on support  Test passed  Tight fit on carrier  NS 35/15-2,3 UNGELOCHT  Setpoint  Result of voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed  Requirements, voltage drop  Result of temperature-rise test  Test passed  Conductor cross section short circuit testing  150 mm²  Short-time current  18 kA  Result of aging test  Ageing test for screwless modular terminal block temperature cycles  Proof 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 frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions	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 35/15-2,3 UNGELOCHT  Setpoint  Result of voltage-drop test  Requirements, voltage drop  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  18 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 specification, oscillation, broadband noise  Test frequency  f, = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  O.58 g  Test directions  X-, Y- and Z-axis	Conductor cross section tensile test	50 mm²		
Tractive force setpoint 427 N  Result of tight fit on support Test passed  Tight fit on carrier NS 35/15-2,3 UNGELOCHT  Setpoint 15 N  Result of voltage-drop test Test passed  Requirements, voltage drop $\leq 3.2  \text{mV}$ Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 150 mm²  Short-time current 18 kA  Result of aging test Test passed  Ageing test for screwless modular terminal block temperature cycles 192  Result of thermal test Test passed  Test passed  Oscillation, broadband noise test result Test passed  Test passed  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 1, class B, body mounted Test frequency $f_1 = 5  \text{Hz} \text{ to } f_2 = 150  \text{Hz}$ ASD level 0.984 $(\text{m/s}^2)^2/\text{Hz}$ Acceleration 0.58 g  Test directions X-, Y- and Z-axis	Tractive force setpoint	236 N		
Result of tight fit on support       Test passed         Tight fit on carrier       NS 35/15-2,3 UNGELOCHT         Setpoint       15 N         Result of voltage-drop test       Test passed         Requirements, voltage drop $\leq 3.2 \text{ mV}$ Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing $150 \text{ mm}^2$ Short-time current $18 \text{ kA}$ 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 $30 \text{ s}$ 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 1, class B, body mounted         Test frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level $0.964 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $0.58 \text{ g}$ Test directions $X, Y$ and $Z$ axis	Conductor cross section tensile test	150 mm²		
Tight fit on carrier	Tractive force setpoint	427 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       150 mm²         Short-time current       18 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 1, class B, body mounted         Test frequency $f_1$ = 5 Hz to $f_2$ = 150 Hz         ASD level       0.964 (m/s²²)²/Hz         Acceleration       0.58 g         Test duration per axis       5 h         Test directions       X-, Y- and Z-axis	Result of tight fit on support	Test passed		
Result of voltage-drop test  Requirements, voltage drop $\leq 3.2 \text{ mV}$ Result of temperature-rise test  Test passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  150 mm²  Short-time current  18 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  Test passed  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 1, class B, body mounted  Test frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions	Tight fit on carrier	NS 35/15-2,3 UNGELOCHT		
Requirements, voltage drop $\leq 3.2  \text{mV}$ Result of temperature-rise testTest passedShort circuit stability resultTest passedConductor cross section short circuit testing $150  \text{mm}^2$ Short-time current $18  \text{kA}$ 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 $30  \text{s}$ Oscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 1, class B, body mountedTest frequency $f_1 = 5  \text{Hz}$ to $f_2 = 150  \text{Hz}$ ASD level $0.964  (\text{m/s}^2)^2 \text{Hz}$ Acceleration $0.58  \text{g}$ Test duration per axis $5  \text{h}$ Test directions $X_{-}, Y_{-}$ and $Z_{-}$ axis	Setpoint	15 N		
Result of temperature-rise test  Short circuit stability result  Conductor cross section short circuit testing  150 mm²  Short-time current  18 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 specification, oscillation, broadband noise  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis	Result of voltage-drop test	Test passed		
Short circuit stability result  Conductor cross section short circuit testing  Short-time current  18 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  Prost 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 1, class B, body mounted  Test frequency  ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis	Requirements, voltage drop	≤ 3.2 mV		
Conductor cross section short circuit testing  150 mm²  Short-time current  18 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 passed  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 1, class B, body mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis	Result of temperature-rise test	Test passed		
Short-time current  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 passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 1, class B, body mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis	Short circuit stability result	Test passed		
Result of aging testTest passedAgeing 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 1, class B, body mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level $0.964 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $0.58 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directionsX-, Y- and Z-axis	Conductor cross section short circuit testing	150 mm²		
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  Test passed  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 1, class B, body mounted  Test frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level  0.964 $(m/s^2)^2/\text{Hz}$ Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis	Short-time current	18 kA		
Result of thermal testTest passedProof of thermal characteristics (needle flame) effective duration $30 \text{ s}$ Oscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 1, class B, body mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level $0.964 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $0.58 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions $X, Y$ and $Z$ axis	Result of aging test	Test passed		
Proof of thermal characteristics (needle flame) effective duration $30 \text{ s}$ Oscillation, broadband noise test resultTest passedTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 1, class B, body mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level $0.964 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $0.58 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions $X, Y \text{ and } Z \text{ axis}$	Ageing test for screwless modular terminal block temperature cycles	192		
Oscillation, broadband noise test result  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 1, class B, body mounted  Test frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_3 = 5  $	Result of thermal test	Test passed		
Test specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2008-03Test spectrumService life test category 1, class B, body mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level $0.964 \text{ (m/s}^2)^2/\text{Hz}$ Acceleration $0.58 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions $X, Y \text{ and } Z \text{ axis}$	Proof of thermal characteristics (needle flame) effective duration			
Test spectrumService life test category 1, class B, body mountedTest frequency $f_1 = 5$ Hz to $f_2 = 150$ HzASD level $0.964 \text{ (m/s}^2)^2\text{/Hz}$ Acceleration $0.58 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions $X$ , $Y$ and $Z$ axis	Oscillation, broadband noise test result	Test passed		
Test frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ ASD level $0.964 \text{ (m/s}^2)^2\text{/Hz}$ Acceleration $0.58 \text{ g}$ Test duration per axis $5 \text{ h}$ Test directions $X, Y \text{ and } Z \text{ axis}$	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03		
ASD level         0.964 (m/s²)²/Hz           Acceleration         0.58 g           Test duration per axis         5 h           Test directions         X-, Y- and Z-axis	Test spectrum	Service life test category 1, class B, body mounted		
Acceleration 0.58 g  Test duration per axis 5 h  Test directions X-, Y- and Z-axis	Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$		
Test duration per axis 5 h  Test directions X-, Y- and Z-axis	ASD level	0.964 (m/s²)²/Hz		
Test directions X-, Y- and Z-axis	Acceleration	0.58 g		
	Test duration per axis			
Shock test result Test passed	Test directions	X-, Y- and Z-axis		
	Shock test result			



### Technical data

### General

Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

### Dimensions

Width	31 mm
Length	116.4 mm
Height NS 35/15	116.5 mm

### Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	50 mm <sup>2</sup>
Conductor cross section solid max.	150 mm²
Conductor cross section AWG min.	1/0
Conductor cross section AWG max.	300 kcmil
Conductor cross section flexible min.	50 mm²
Conductor cross section flexible max.	150 mm²
Min. AWG conductor cross section, flexible	1/0
Max. AWG conductor cross section, flexible	300 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	50 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	50 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	95 mm²
Cross section with insertion bridge solid min.	50 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	150 mm <sup>2</sup>
Cross section with insertion bridge stranded min.	50 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	150 mm <sup>2</sup>
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	50 mm <sup>2</sup>
Cross section with insertion bridge stranded, with ferrule without plastic sleeve max.	95 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	50 mm²
Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.	95 mm²



### Technical data

### Connection data

Cross section with insertion bridge, solid max.	150 mm²
Cross section with insertion bridge, stranded max.	150 mm <sup>2</sup>
Stripping length	40 mm
Internal cylindrical gage	B14

### Standards and Regulations

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

### Classifications

### eCl@ss

eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

#### **ETIM**

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

 ${\sf EAC\,/\,LR\,/\,BV\,/\,GL\,/\,UL\,\,Recognized\,/\,cUL\,\,Recognized}$ 

Ex Approvals

Approvals submitted



### Approvals

Approval details				
EAC				
LR				
BV				
GL				
UL Recognized <b>5</b>				
	В		С	
mm²/AWG/kcmil	2-300		2-300	
Nominal current IN	270 A		270 A	
Nominal voltage UN	1000 V		1000 V	
cUL Recognized C				
mm²/AWG/kcmil		2-300		
Nominal current IN		270 A		
Nominal voltage UN		1000 V		
cULus Recognized CANUS				
Drawings				
Circuit diagram				
0				



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