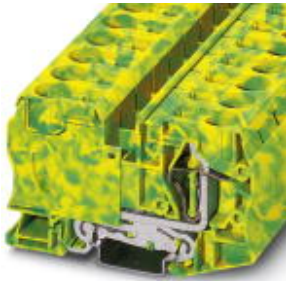


Spring cage ground terminal block - ST 35-PE - 3036194

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Spring cage ground terminal block, Connection method: Spring-cage connection, Cross section: 2.5 mm² - 35 mm², AWG: 14 - 2, Width: 16 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15



Key commercial data

package_quantity	10
GTIN	4017918876760

Technical data

General

Number of levels	1
Number of connections	2
Color	green-yellow
Insulating material	PA
Inflammability class according to UL 94	V0

General

Maximum load current	125 A (with 35 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-2
Nominal current I _N	125 A
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed

Spring cage ground terminal block - ST 35-PE - 3036194

Technical data

General

Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	2.5 mm ² / 0.7 kg
Bending test conductor cross section/weight	35 mm ² / 6.8 kg
Result of bending test	Test passed
Conductor cross section tensile test	2.5 mm ²
Tractive force setpoint	50 N
Conductor cross section tensile test	35 mm ²
Tractive force setpoint	190 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	10 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	35 mm ²
Short-time current	4.2 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	16 mm
Length	100 mm
Height NS 35/7,5	59 mm
Height NS 35/15	66.5 mm

Connection data

Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG/kcmil min.	14
Conductor cross section AWG/kcmil max	2
Conductor cross section stranded min.	2.5 mm ²
Conductor cross section stranded max.	35 mm ²
Min. AWG conductor cross section, stranded	14

Spring cage ground terminal block - ST 35-PE - 3036194

Technical data

Connection data

Max. AWG conductor cross section, stranded	2
Conductor cross section stranded, with ferrule without plastic sleeve min.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm ²
Connection method	Spring-cage connection
Stripping length	25 mm
Internal cylindrical gage	A8

classifications

eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141125
eCl@ss 5.1	27141125
eCl@ss 6.0	27141125
eCl@ss 7.0	27141125
eCl@ss 8.0	27141125

ETIM

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

UNSPSC

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

approvals

IECEx / ATEX / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / KR / NK / IECCEB Scheme / GOST / cULus Recognized /

Spring cage ground terminal block - ST 35-PE - 3036194

approvals

Approval details

IECEX	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	2.5-35

ATEX 	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	2.5-35

CSA 		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm²/AWG/kcmil	14-2	14-2

UL Recognized 		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm²/AWG/kcmil	14-2	14-2

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	2.5-35

Spring cage ground terminal block - ST 35-PE - 3036194

approvals

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm²/AWG/kcmil	14-2	14-2

GOST 
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LR

GL	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	35

BV

DNV

RS

KR

NK

IECEE CB Scheme 	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	2.5-35



Spring cage ground terminal block - ST 35-PE - 3036194

approvals

cULus Recognized  US

accessories

Screwdriver tools

SZF 3-1,0X5,5 - 1206612



Labeled terminal marker

WST 10/35 - 3030006



ZBF 8 CUS - 0825030



UC-TMF 8 CUS - 0824654



Spring cage ground terminal block - ST 35-PE - 3036194

accessories

UCT-TMF 8 CUS - 0829672



ZB 10 CUS - 0824941



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



Test plug terminal block

PAI-ST 35/1000MM - 3029994



Documentation

Spring cage ground terminal block - ST 35-PE - 3036194

accessories

ST-IL - 3039900



Bridge

FBS 2-16 - 3005963



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



Spring cage ground terminal block - ST 35-PE - 3036194

accessories

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



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



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



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



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



NS 35/ 7,5 CAP - 1206560



Spring cage ground terminal block - ST 35-PE - 3036194

accessories

Terminal marking

ZBF 8:UNBEDRUCKT - 0808781



UC-TMF 8 - 0818137



UCT-TMF 8 - 0828748



ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



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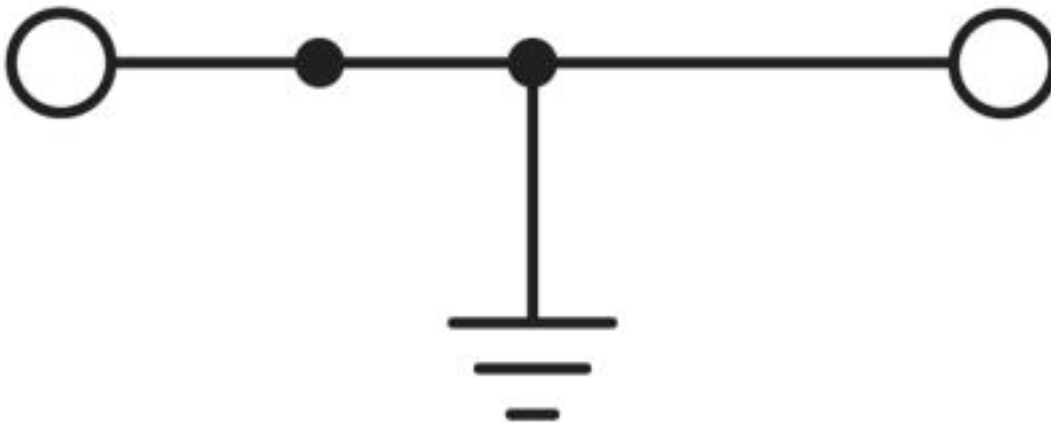
accessories

UCT-TM 10 - 0829142



Drawings

Circuit diagram



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