imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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Feed-through terminal block, nom. voltage: 690 V, nominal current: 32 A, connection method: Push-in connection, number of connections: 4, cross section:0.2 mm² - 4 mm², AWG: 24 - 12, width: 10 mm, color: black, mounting type: NS 35/7,5, NS 35/15

Why buy this product

- Easy and tool-free direct plug-in thanks to push-in multi-conductor connection
- Easy potential distribution with time-saving jumper system
- Safety for users thanks to integrated shock protection
- Maximum overview thanks to extensive marking and labeling of every terminal point
- Reduction in logistics costs with the uniform CLIPLINE complete system accessories

RoHS

Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	4 055626 119175
GTIN	4055626119175

Technical data

General

Number of levels	1
Number of connections	4
Potentials	1
Nominal cross section	4 mm ²
Color	black
Insulating material	PC
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	Ш



Technical data

General

Maximum power dissipation for nominal condition 1.02 W Ambient temperature (operation) 40 °C 110 °C Maximum load current 32 A (1 maximum load current must not be exceeded by the total current of all connected conductors.) Nominal voltage U _N 680 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Stock protection test specification 94 kV Result of surge voltage test selpoint 94 kV Result of power-frequency withstand voltage steptiont 1.89 kV Result of the test for mechanical stability of terminal points (5 x Test passed Result of banding test Test passed Banding test rotation speed 10 rpm Bending test rotation speed 02 rm² / 0.2 kg Tasile test result Conductor cross section tensile test Conductor cross section tensile test 02 rm² Task passed 10 N Conductor cross section tensile test 02 rm² Task passed 02 rm² Task passed	Insulating material group	Illa	
Ambient temperature (operation) 40 °C 110 °C Maximum load current 32 A (The maximum load current must not be exceeded by the total current of all connected conductors.) Nominal current I _n 32 A Nominal voltage U _n 680 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Surge voltage test setpoint 9.8 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage test Test passed Bending test mechanical stability of terminal points (5 × contactor connection) Test passed Result of power-frequency withstand voltage test Test passed Bending test mechanical stability of terminal points (5 × contactor connection) Test passed Bending test trotechanical stability of terminal points (5 × contactor connection) Test passed Bending test trotechanical stability of terminal points (5 × contactor connection) Test passed Conductor cons section/weight 0.2 mm² (0.2 kg Test passed 0.2 mm² (0.2 kg Conductor cross		1.02 W	
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Result of aging test Test passed	Ageing test for screwless modular terminal block temperature cycles	192	
	Proof of thermal characteristics (needle flame) effective duration	30 s	
Oscillation, broadband noise test result Test passed	Result of aging test	Test passed	
	Oscillation, broadband noise test result	Test passed	



Technical data

General

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 (m/s ²) ² /Hz
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Dimensions

Width	10 mm
Length	46 mm
Height NS 35/7,5	38.2 mm
Height NS 35/15	45.7 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.2 mm ²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Stripping length	10 mm 12 mm

Connection data (JIS standard)

Connection method	Push-in connection
Connection in acc. with standard	JIS 8207-7-1
Single-wire/terminal point, solid diameter min.	0.5 mm



Technical data

Connection data (JIS standard)

Single-wire/terminal point, solid diameter max.	2 mm
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	3.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2 mm ²
Connection cross sections directly pluggable	0.8 mm 2 mm
Single-wire/terminal point, solid diameter min.	0.8 mm
Single-wire/terminal point, solid diameter max.	2 mm
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2 mm ²
Nominal current I _N	30 A
Maximum load current	30 A
Nominal voltage U _N	600 V

Standards and Regulations

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

Environmental Product Compliance

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

Drawings

Circuit diagram

0-0---0-0

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / DNV GL / cULus Recognized

Ex Approvals



Approvals

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Approval details

CSA SP	http://www.csagroup.org/services-indus	stries/product-listing/ 13631
	В	C
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm²/AWG/kcmil	26-12	26-12

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
	В	C
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm²/AWG/kcmil	26-12	26-12

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
	В	С
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm²/AWG/kcmil	26-12	26-12

DNV GL

http://exchange.dnv.com/tari/

TAE00001S2

cULus Recognized



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