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.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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)



Changeover switch, without 0 position, with electrically isolated contacts, connection method: screw connection, number of positions: 1, function: 1 - 2 symmetrical, switching zones: 1, switching program number: S0575, rated continuous current: 20 A, voltage: 690 V

Why buy this product

- The compact rotary switch is designed for use in energy technology applications with the available switching programs
- The use of high-quality materials results in a long mechanical and electrical service life
- Comprehensive approvals ensure international use
- If High level of safety thanks to non-conductive plastic parts
- The terminal points are designed in such a way that shock protection according to BGV A2 is ensured
- The rotary switch is free from cadmium and compliant with the RoHS directive



Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 785211
GTIN	4046356785211

Technical data

General

Number of connections	4
Color	silver/black
Rotary switch function	1 - 2 symmetrical
Switching program number	S0575
Switching angle	90 °
Rated continuous current	20 A
Maximum load current	20 A
Rated surge voltage	6 kV
Rated insulation voltage	690 V (Valid for networks with grounded neutral point, overvoltage category III, degree of pollution 3)



Technical data

General

Pated operating current according to AC 15 (curitching of calencid	
Rated operating current according to AC-15 (switching of solenoid drives, contactors, valves, pulling electromagnets)	5 A (220 - 240 V)
	4 A (380 - 440 V)
Rated operating current according to AC-21A (switching of ohmic loads including small overloads)	20 A
Rated operating current according to AC-22A (switching of mixed ohmic and inductive loads, including small overloads)	20 A (220 - 500 V)
	20 A (660 - 690 V)
Switching power according to AC-3 (squirrel-cage motors: direct starting, switching off motors during operation, star-delta startup (CH16B))	3 kW (220 - 240 V; 3-phase, 3-pos.)
	5.5 kW (380 - 440 V; 3-phase, 3-pos.)
	5.5 kW (500 V; 3-phase, 3-pos.)
	5.5 kW (660 - 690 V; 3-phase, 3-pos.)
	0.6 kW (110 - 120 V; 1-phase, 2-pos.)
	2.2 kW (220 - 240 V; 1-phase, 2-pos.)
	3 kW (380 - 440 V; 1-phase, 2-pos.)
Switching power according to AC-4 (squirrel-cage motors: starting, reversing, plugging, inching)	0.55 kW (220 - 240 V; 3-phase, 3-pos.)
	1.5 kW (380 - 440 V; 3-phase, 3-pos.)
	1.5 kW (500 V; 3-phase, 3-pos.)
	1.5 kW (660 - 690 V; 3-phase, 3-pos.)
	0.3 kW (110 - 120 V; 1-phase, 2-pos.)
	0.75 kW (220 - 240 V; 1-phase, 2-pos.)
	1.5 kW (380 - 440 V; 1-phase, 2-pos.)
Switching power according to AC-23A (frequent switching of motors or other highly inductive loads)	3.7 kW (220 - 240 V; 3-phase, 3-pos.)
	7.5 kW (380 - 440 V; 3-phase, 3-pos.)
	7.5 kW (500 V; 3-phase, 3-pos.)
	7.5 kW (660 - 690 V; 3-phase, 3-pos.)
	0.75 kW (110 - 120 V; 1-phase, 2-pos.)
	2.5 kW (220 - 240 V; 1-phase, 2-pos.)
	3.7 kW (380 - 440 V; 1-phase, 2-pos.)
Breaking capacity	150 A (220 - 240 V)
	150 A (380 - 440 V)
	80 A (660 - 690 V)
Maximum power dissipation for nominal condition	0.9 W
Ambient temperature (operation)	-35 °C 55 °C (Open, at 100% load, with peaks up to 60°C)
IP immunity to short-circuiting with maximum backup fuse	25 A (gL/gG characteristics)
Rated short-time current resistance	140 A (1 s current)

Dimensions

Width	48 mm
Length	62.5 mm



Technical data

Dimensions

Hole diameter 7 mm Height 29 mm Installation depth 33 mm Installation depth 33 mm Installation depth 33 mm Mubient conditions -35 °C 55 °C (Open, at 100% load, with peaks up to 60°C) Conductor cross section solid max. 2.5 mm² Conductor cross section solid max. 2.5 mm² Conductor cross section AWG max. 14 Conductor cross section flexible min. 0.75 mm² Conductor cross section flexible min. 0.75 mm² Conductor cross section flexible min. 0.75 mm² Conductor cross section flexible max. 2.5 mm² Min. AWG conductor cross section, flexible 14 Conductor cross section / standed with ferrule without plastic sleeve min. 1.5 mm² Conductor cross section / standed with ferrule with plastic sleeve min. 1.5 mm² Conductor with same cross section, solid min. 20 Conductor with same cross section, solid min. 20 2 conductors with same cross section, AWG solid max. 14 Two conductors with same cross section, AWG solid max. 2.5 mm² 2 conductors with same cross section, AWG solid max. 2.5 mm² 2 c		
Height 29 mm Installation depth 33.5 mm Ambient conditions -35 °C (55 °C (Open, at 100% load, with peaks up to 60°C) Connection data 0.5 mm² Conductor cross section solid max. 2.5 mm² Conductor cross section solid max. 20 Conductor cross section flaxible min. 0.75 mm² Conductor cross section flaxible min. 0.75 mm² Conductor cross section flaxible max. 2.5 mm² Conductor cross section flaxible max. 2.5 mm² Conductor cross section flaxible 18 Max. AWG conductor cross section, flaxible 14 Conductor cross section / flaxible 12 mm² Conductor cross section / standed with ferrule without plastic sleeve max. 2.5 mm² Conductor cross section / standed with ferrule with plastic sleeve max. 1.5 mm² Conductor with same cross section, solid min. 2.5 mm² 2 conductors with same cross section, solid max. 2.5 mm² 2 conductors with same cross section, AWG solid max. 1.5 mm² 2 conductors with same cross section, AWG solid max. 2.5 mm² 2 conductors with same cross section, AWG solid max. 1.6 mm² 2 conductors with same cross section, AWG	Height	48 mm
assignment 33.5 mm Ambient temperature (operation) -35 °C 55 °C (Open, at 100% load, with peaks up to 60°C) Conductor cross section solid min. 0.5 mm² Conductor cross section and min. 0.5 mm² Conductor cross section AWG max. 2.0 Conductor cross section flexible max. 0.7 mm² Conductor cross section flexible max. 2.5 mm² Conductor cross section flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section, flexible 18 Max. AWG conductor cross section, flexible 14 Conductor cross section / stranded with ferrule without plastic sleeve min. 1.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve min. 1.5 mm² Conductors with same cross section, solid min. 0.5 mm² 2 conductors with same cross section, solid min. 0.5 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG solid max. 14 2 conductors with same	Hole diameter	7 mm
Ambient conditions Ambient temperature (operation) -35 °C 55 °C (Open, at 100% load, with peaks up to 60°C) Conductor cross section solid max. 2.5 mm² Conductor cross section solid max. 2.5 mm² Conductor cross section MWG max. 14 Conductor cross section flexible min. 0.75 mm² Conductor cross section flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section, flexible 18 Max. AWG conductor cross section, flexible 14 Conductor cross section / stranded with ferrule without plastic sleeve max. 2.5 mm² Conductor cross section / stranded with ferrule without plastic sleeve max. 1.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve max. 1.5 mm² Conductor with same cross section, solid max. 2.5 mm² 2 conductors with same cross section, AWG solid max. 2.5 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG stranded, max. 1.5 mm² 2 conductors with same cross section, AWG stranded, max. 1.5 mm²	Height	29 mm
Ambient temperature (operation) -35 °C 55 °C (Open, at 100% load, with peaks up to 60°C) Connection data 0.5 mm² Conductor cross section solid max. 2.5 mm² Conductor cross section AWG max. 14 Conductor cross section flexible min. 0.75 mm² Conductor cross section flexible max. 2.5 mm² Conductor cross section flexible 14 Conductor cross section / stranded with ferrule without plastic sleeve 2.5 mm² Conductor s section / stranded with ferrule without plastic sleeve max. 1.5 mm² Conductors with same cross section, solid max. 2.5 mm² 2 conductors with same cross section, solid max. 2.5 mm² 2 conductors with same cross section, stranded min. 0.75 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, stranded max.	Installation depth	33.5 mm
Connection data Conductor cross section solid max. 2.5 mm² Conductor cross section AWG min. 20 Conductor cross section AWG max. 14 Conductor cross section Rexible max. 0.75 mm² Conductor cross section flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section, flexible max. 2.5 mm² Conductor cross section / stranded with ferrule without plastic sleeve min. 14 Conductor cross section / stranded with ferrule without plastic sleeve min. 2.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve min. 1.5 mm² Conductor cross section, stranded, with ferrule with plastic sleeve min. 1.5 mm² Conductor sorss section, stranded min. 2.0 mm² Conductor si section, stranded min. 2.0 mm² Conductor with same cross section, Solid max. 2.5 mm² Two conductors with same cross section, MG solid max. 14 2 conductors with same cross section, AWG solid max. 15 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cro	Ambient conditions	
Conductor cross section solid min.0.5 mm²Conductor cross section AWG min.20Conductor cross section AWG max.14Conductor cross section flexible min.0.75 mm²Conductor cross section flexible max.2.5 mm²Conductor cross section flexible max.2.5 mm²Min. AWG conductor cross section, flexible18Max. AWG conductor cross section, flexible14Conductor cross section / stranded with ferule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferule without plastic sleeve max.1.5 mm²Conductor section / stranded with ferule with plastic sleeve max.1.5 mm²Conductor set cross section, stranded min.0.5 mm²Conductor section / stranded min.0.5 mm²Conductor section / stranded min.0.5 mm²Conductor set section, solid min.20Conductor set section, solid min.20Conductors with same cross section, solid min.20Two conductors with the same cross section, AWG solid max.2.5 mm²Conductors with the same cross section, AWG solid max.2.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, min.182 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.2.5 mm²2 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, Attraded, with ferrule and without plastic sleeve, maximum1	Ambient temperature (operation)	-35 °C 55 °C (Open, at 100% load, with peaks up to 60°C)
Conductor cross section solid max. 2.6 mm ⁴ Conductor cross section AWG min. 20 Conductor cross section flexible min. 0.75 mm ² Conductor cross section flexible max. 2.5 mm ² Conductor cross section flexible max. 2.5 mm ² Min. AWG conductor cross section, flexible 18 Max. AWG conductor cross section, flexible 14 Conductor cross section / stranded with ferrule without plastic sleever 2.5 mm ² Conductor cross section / stranded with ferrule without plastic sleever 2.5 mm ² Conductor cross section / stranded with ferrule with plastic sleever 1.5 mm ² Conductor sots section / stranded with ferrule with plastic sleever 1.5 mm ² Conductor with same cross section, solid max. 2.5 mm ² 2 conductors with same cross section, solid max. 2.5 mm ² 2 conductors with the same cross section, AWG solid min. 20 2 conductors with the same cross section, AWG solid max. 14 2 conductors with the same cross section, AWG solid max. 14 2 conductors with the same cross section, AWG solid max. 14 2 conductors with the same cross section, AWG stranded, min. 18 Two conductors with the same cross section, AWG stranded, max. <	Connection data	
Conductor cross section AWG min.20Conductor cross section flexible min.0.75 mm²Conductor cross section flexible max.2.5 mm²Conductor cross section flexible max.2.5 mm²Min. AWG conductor cross section, flexible18Max. AWG conductor cross section, flexible14Conductor cross section / stranded with ferrule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve min.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve min.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve min.0.5 mm²Conductor cross section, stranded min.0.5 mm²2 conductors with same cross section, a N/G solid min.202 conductors with the same cross section, AWG solid min.202 conductors with the same cross section, AWG solid max.1.42 conductors with the same cross section, AWG solid max.2.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, min.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section, AWG stranded, max.1.42 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum <t< td=""><td>Conductor cross section solid min.</td><td>0.5 mm²</td></t<>	Conductor cross section solid min.	0.5 mm ²
Conductor cross section AWG max.14Conductor cross section flexible min.0.75 mm²Conductor cross section flexible max.2.5 mm²Min. AWG conductor cross section, flexible18Max. AWG conductor cross section, flexible14Conductor cross section, stranded with ferrule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve max.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor with same cross section, solid max.2.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with the same cross section, AWG solid min.002 conductors with the same cross section, AWG solid max.142 conductors with the same cross section, AWG stranded, max.1.5 mm²2 conductors with the same cross section, AWG stranded, max.1.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.	Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible max.0.75 mm²Conductor cross section flexible max.2.5 mm²Min. AWG conductor cross section, flexible18Max. AWG conductor cross section, flexible14Conductor cross section / stranded with ferrule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve max.2.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductors with same cross section, solid min.0.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with the same cross section, AWG solid max.142 conductors with same cross section, AWG solid max.1.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.1.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conduc	Conductor cross section AWG min.	20
Conductor cross section flexible max.2.5 mm²Min. AWG conductor cross section, flexible18Max, AWG conductor cross section, flexible14Conductor cross section / stranded with ferrule without plastic sleeve max.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve max.2.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve min.1.5 mm²Conductor cross section / stranded, with ferrule with plastic sleeve min.1.5 mm²Conductor cross section / stranded, with ferrule with plastic sleeve max.0.5 mm²2 conductors section / stranded, with ferrule with plastic sleeve max.1.5 mm²2 conductors with same cross section, solid max.0.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cros	Conductor cross section AWG max.	14
Min. AWG conductor cross section, flexible 18 Max. AWG conductor cross section, flexible 14 Conductor cross section / stranded with ferrule without plastic sleeve 2.5 mm² Conductor cross section / stranded with ferrule without plastic sleeve min. 1.5 mm² Conductor cross section / stranded, with ferrule with plastic sleeve min. 1.5 mm² Conductor cross section / stranded, with ferrule with plastic sleeve max. 1.5 mm² Conductor cross section, solid min. 0.5 mm² 2 conductors with same cross section, solid max. 2.5 mm² 1 Wo conductors with same cross section, solid max. 2.0 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, stranded min. 0.75 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG stranded, max. 14 2 conductors with same cross section, AWG stranded, max. 14 2 conductors with same cross section, AWG stranded, max. 14 2 conductors with the same cross section, AWG stranded, max. 14 2 conductors with the same cross section, AWG stranded, max. 14 2 conductors with the same cross section, AWG stranded, max. 14 2 conduc	Conductor cross section flexible min.	0.75 mm ²
Max. AWG conductor cross section, flexible 14 Conductor cross section / stranded with ferrule without plastic sleeve 2.5 mm² Conductor cross section / stranded with ferrule without plastic sleeve 2.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve max. 1.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve max. 1.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve max. 1.5 mm² Conductor cross section / stranded with ferrule with plastic sleeve max. 1.5 mm² Conductors with same cross section, solid max. 2.5 mm² 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG solid max. 14 2 conductors with same cross section, AWG stranded, min. 0.75 mm² 2 conductors with same cross section, AWG stranded, max. 14 2 conductors with the same cross section, AWG stranded, max. 14 2 conductors with the same cross section, AWG stranded, max. 14 2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum 2.5 mm² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 1.5 mm² <td>Conductor cross section flexible max.</td> <td>2.5 mm²</td>	Conductor cross section flexible max.	2.5 mm ²
Conductor cross section / stranded with ferrule without plastic sleeve min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve max.2.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve min.1.5 mm²Conductor cross section / stranded, with ferrule with plastic sleeve max.1.5 mm²Conductors with same cross section, solid min.0.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with the same cross section, AWG solid max.20Two conductors with same cross section, AWG solid max.142 conductors with same cross section, AWG solid max.2.5 mm²2 conductors with same cross section, AWG solid max.2.5 mm²2 conductors with same cross section, AWG stranded min.0.75 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same c	Min. AWG conductor cross section, flexible	18
min.2.5 mm²Conductor cross section / stranded with ferrule without plastic sleeve max.2.5 mm²Conductor cross section / stranded, with ferrule with plastic sleeve max.1.5 mm²Conductor cross section / stranded, with ferrule with plastic sleeve max.1.5 mm²Conductors with same cross section, solid min.0.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with same cross section, AWG solid max.142 conductors with same cross section, AWG solid max.0.75 mm²2 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, AWG solid max.142 conductors with same cross section, AWG solid max.142 conductors with same cross section, AWG solid max.15 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section/AWG stranded, max.142 conductors with the same cross section/AWG stranded, max.142 conductors with the same cross section/AWG stranded, max.142 conductors with the same cross section/Atmached, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/Atmached, with ferrule and plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with	Max. AWG conductor cross section, flexible	14
max.2.5 mm²Conductor cross section / stranded with ferrule with plastic sleeve max.1.5 mm²Conductor cross section / stranded, with ferrule with plastic sleeve max.1.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with same cross section, AWG solid min.20Two conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, max	Conductor cross section / stranded with ferrule without plastic sleeve min.	2.5 mm ²
Conductor cross section / stranded, with ferrule with plastic sleeve max.1.5 mm²2 conductors with same cross section, solid max.2.5 mm²2 conductors with the same cross section, AWG solid min.20Two conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.18Two conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors	Conductor cross section / stranded with ferrule without plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, solid min.0.5 mm²2 conductors with same cross section, add max.2.5 mm²Two conductors with the same cross section, AWG solid min.20Two conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section/stranded, max.142 conductors with the same cross section/stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm² <td>Conductor cross section / stranded with ferrule with plastic sleeve min.</td> <td>1.5 mm²</td>	Conductor cross section / stranded with ferrule with plastic sleeve min.	1.5 mm ²
2 conductors with same cross section, solid max.2.5 mm²Two conductors with the same cross section, AWG solid min.20Two conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²2 conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5	Conductor cross section / stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Two conductors with the same cross section, AWG solid min.20Two conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²Two conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²	2 conductors with same cross section, solid min.	0.5 mm ²
Two conductors with the same cross section, AWG solid max.142 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²Two conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²3 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.	2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.0.75 mm²2 conductors with same cross section, stranded max.2.5 mm²Two conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1	Two conductors with the same cross section, AWG solid min.	20
2 conductors with same cross section, stranded max.2.5 mm²Two conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 for the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 standards and RegulationsV0	Two conductors with the same cross section, AWG solid max.	14
Two conductors with the same cross section, AWG stranded, min.18Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²	2 conductors with same cross section, stranded min.	0.75 mm ²
Two conductors with the same cross section, AWG stranded, max.142 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 fandards and RegulationsV0	2 conductors with same cross section, stranded max.	2.5 mm ²
2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum2.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum1.5 mm²2 fandards and RegulationsV0	Two conductors with the same cross section, AWG stranded, min.	18
without plastic sleeve, minimum 2.5 mm ² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 2.5 mm ² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum 1.5 mm ² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum 1.5 mm ² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 1.5 mm ² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 1.5 mm ² Standards and Regulations V0	Two conductors with the same cross section, AWG stranded, max.	14
without plastic sleeve, maximum 2.5 mm² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum 1.5 mm² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 1.5 mm² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 1.5 mm² Standards and Regulations V0	2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, minimum	2.5 mm ²
plastic sleeve, minimum 1.5 mm² 2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum 1.5 mm² Standards and Regulations 1.5 mm² Flammability rating according to UL 94 V0	2 conductors with the same cross section/stranded, with ferrule and without plastic sleeve, maximum	2.5 mm ²
plastic sleeve, maximum 1.5 mm² Standards and Regulations Flammability rating according to UL 94	2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, minimum	1.5 mm ²
Flammability rating according to UL 94 V0	2 conductors with the same cross section/stranded, with ferrule and plastic sleeve, maximum	1.5 mm ²
	Standards and Regulations	
Environmental Product Compliance	Flammability rating according to UL 94	V0
	Environmental Product Compliance	

China RoHS

Environmentally friendly use period: unlimited = EFUP-e



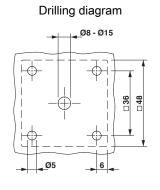
Technical data

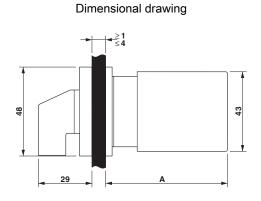
Environmental Product Compliance

No hazardous substances above threshold values

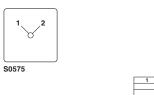
13

Drawings





Circuit diagram



Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed	LISTED	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm		FILE E 357353
mm²/AWG/kcmil			20-12	

05/01/2017 Page 4 / 5



Approvals

Γ

Nominal current IN	20 A
Nominal voltage UN	300 V

cUL Listed	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm		FILE E 357353
mm²/AWG/kcmil		20-12	
Nominal current IN		20 A	
Nominal voltage UN		300 V	

EAC

EHC

EAC-Zulassung

cULus Listed



Phoenix Contact 2017 © - 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