

SCREW CLAMP TECHNOLOGY

- Screw clamp & Spring Clamp Technology versions
- Extremely Compact wiring solution
- 15mm Mini Rail Terminals
- Modular easy snap together Panel Mount Terminals
- High Temperature Ceramic Solution
- Reliable Gas-tight connection



MATERIAL SPECIFICATIONS

Current Carrying Metal



Screw Terminals

Corrosion free material

- Clamp: Zinc Plated Steel
- Screw: Steel
- Current Bar: Brass/
Tin Plated Copper



Spring Terminals

Corrosion free material

- Spring: Stainless Steel
- Current Bar: Copper Alloy

Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

Polyamide 66 Specifications

Upper Temperature Limit: 105°C

Lower Temperature Limit: -50°C

Flammability UL94: V2/ V0

Volume Resistivity: $10^{12} \Omega \text{ cm}$

Surface Resistivity: $10^{10} \Omega$

SELECTION GUIDE

Screw Terminal Blocks

- Extremely Compact size
- Various mounting options
 - 15mm Mini Rail
 - Panel Mount
- Modular system
- Jumper Accessories
- Screw Clamp Technology



**15mm Mini Rail
CMT4**
page 89



**Panel Mount
CMB4**
page 90

Spring Clamp Terminal Blocks

- Extremely Compact size
- Various mounting options
 - 15mm Mini Rail
 - Panel Mount
- Modular Snap together Systems
- Spring Clamp Technology



**15mm Mini Rail
CXM2.5**
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**Panel/DIN Rail
CSCP Series**
page 92



**Panel Mount
CM Series**
page 93

High Temperature Ceramic Terminal Blocks

- High Temperatures up to 600°C
- Ceramic Material
- 3 sizes
- Up to 65A/ 300V
- Free floating or mounting hole option



**High Temperature
CB Series**
page 94



Dimensions & Weight

	CMT4	CGMT4	CF4U
	2 Connection Feed-Through Internal Jumper Provision	2 Connection Ground Terminal Internal Jumper Provision	5 x 20 mm Fuse Terminal
Width	6 mm	6 mm	8 mm
Length	27 mm	27 mm	57.0 mm
Height w DIN15 Rail 15mm	30.4 mm	30.7 mm	50.3 mm 57.6 mm
Weight per piece	5.5 g	9.5 g	14.8 g

Technical Data/Ratings

Approvals	 E220514 C-SP US 60947-7-1		 E220514 60947-7-1		 E220514 C-SP US 60947-7-3	
Wire Size (solid / stranded)	22-10 AWG 0.2-4 mm ²		22-10 AWG 0.2-4 mm ²		22-10 AWG 0.2-4 mm ²	
Voltage Rating	300 V 500 V AC/DC		300 V 500 V AC/DC		600 V	800 V AC/DC
Current Rating	35 A 32 A		-		10 A	6.3 A
Torque	7 lb-in 0.5 Nm		7 lb-in 0.8 Nm		7 lb-in	0.5 Nm
Insulation Material	Polyamide 66		Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	8 mm	8 mm	9.5 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CMT4	100	CGMT4	100	CF4U	50
Red R	CMT4/R	100	Yellow/Green		CF4U/BU	50
Blue BU	CMT4/BU	100			CF4U/BL	50
Black BL	CMT4/BL	100				
Orange O	CMT4/O	100				
Green G	CMT4/G	100				
Yellow Y	CMT4/Y	100				
White W	CMT4/W	100				

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCMT4	50	-	-	-	-
Isolation Partition	PPCMT4	50	-	-	-	-
DIN Rail	CA601/S	50	CA601/S	50	CA601/S	50
End Clamp	CA602	100	CA602	100	-	-
Internal Jumper	2 pole CA727/2	100	-	-	-	-
3 pole CA727/3	100	-	-	-	-	-
4 pole CA727/4	100	-	-	-	-	-
10 pole CA727/10	10	-	-	-	-	-
Insulated Internal Jumper	2 pole CA747/2	100	-	-	-	-
3 pole CA747/3	100	-	-	-	-	-
4 pole CA747/4	100	-	-	-	-	-
10 pole CA747/10	10	-	-	-	-	-
External Jumper	2 pole CA714/2	100	CA714/2	100	CA711/2	100
3 pole CA714/3	100	CA714/3	100	CA711/3	50	
4 pole CA714/4	100	CA714/4	100	CA711/4	50	
10 pole CA714/10	20	CA714/10	20	CA711/10	20	
Test Socket	CA707/TS/03	100	CA707/TS/03	-	-	-
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT8	1 Pk. (100 tags)
					MT6	1 Pk. (100 tags)

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Mountable on DIN15 Mini Rail
- Feed Through Terminal
- Ground Terminal
- Internal Jumper possibility
- EX / IECEx approved

APPLICATIONS

- Limited Space Panels
- High Density Wiring Solutions

PANEL MOUNT CMB SERIES

MINI / PANEL MOUNT TERMINALS

PANEL MOUNT SCREW TERMINAL BLOCKS

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Panel Mountable with any length M3 screw
- End / Mounting Section with M3 mounting holes
- Stackable design for flexible length configurations
- Modular snap-together design for quick assembly and installation
- Endplates with mounting holes
- Internal Jumper possibility
- EX / IECEx approved
- Pre-assembled Blocks available in all pole configurations and various colors

APPLICATIONS

- Cost Effective Wiring Solutions
- Compact Wiring Solutions
- Panel Mount Designs
- High Density Wiring

CMB4



2 Connection Feed Through

Dimensions & Weight

Width	6 mm
Length	27 mm
Height	28 mm
Weight per piece	5.5 g

Technical Data/Ratings

Approvals	
Wire Size (solid / stranded)	22-10 AWG 0.2-4 mm ²
Voltage Rating	300 V 500 V AC/DC
Current Rating	35 A 32 A
Torque	7 lb-in 0.5 Nm
Insulation Material	Polyamide 66

Installation Instructions

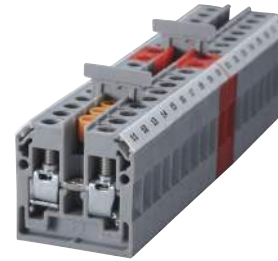
Wire Stripping Length	8 mm
Screwdriver	Flat Head 0.6 x 3.5mm
Mounting Screw	Any length M3 screw may be used

Terminal Blocks

	Cat. No.	Std. Pk.
Grey (standard)	CMB4	100
Red R	CMB4/R	100
Blue BU	CMB4/BU	100
Black BL	CMB4/BL	100
Orange O	CMB4/O	100
Green G	CMB4/G	100
Yellow Y	CMB4/Y	100
White W	CMB4/W	100

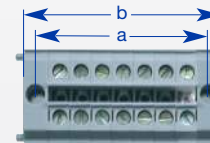
Accessories

	Cat. No.	Std. Pk.
End / Mounting Section	EPCMB4	50
Separator Plate	SPCMB4	50
Internal Jumper	2 pole CA727/2	100
	3 pole CA727/3	100
	4 pole CA727/4	100
	10 pole CA727/10	10
Insulated Internal Jumper	2 pole CA747/2	100
	3 pole CA747/3	100
	4 pole CA747/4	100
	10 pole CA747/10	10
External Jumper	2 pole CA714/2	100
	3 pole CA714/3	100
	4 pole CA714/4	100
	10 pole CA714/10	20
Test Socket	CA707/TS/O1	100
Marking Tag	MT2	1 Pk. (100 tags)

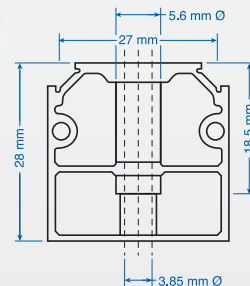


Pre-assembled Terminal Blocks

No. of Poles	Cat. No	Total Width (a)	Hole Spacing (b)
2	CMB4/2	26 mm (1.02")	19 mm (0.75")
3	CMB4/3	32 mm (1.26")	25 mm (0.98")
4	CMB4/4	38 mm (1.50")	31 mm (1.22")
5	CMB4/5	44 mm (1.73")	37 mm (1.46")
6	CMB4/6	50 mm (1.97")	43 mm (1.69")
7	CMB4/7	56 mm (2.20")	49 mm (1.93")
8	CMB4/8	62 mm (2.44")	55 mm (2.17")
9	CMB4/9	68 mm (2.68")	61 mm (2.40")
10	CMB4/10	74 mm (2.91")	67 mm (2.64")
11	CMB4/11	80 mm (3.15")	73 mm (2.87")
12	CMB4/12	86 mm (3.39")	79 mm (3.11")
13	CMB4/13	92 mm (3.62")	85 mm (3.35")
14	CMB4/14	98 mm (3.86")	91 mm (3.58")
15	CMB4/15	104 mm (4.09")	97 mm (3.82")
16	CMB4/16	110 mm (4.33")	103 mm (4.06")
17	CMB4/17	116 mm (4.57")	109 mm (4.29")
18	CMB4/18	122 mm (4.80")	115 mm (4.53")
19	CMB4/19	128 mm (5.04")	121 mm (4.76")
20	CMB4/20	134 mm (5.28")	127 mm (5.00")
21	CMB4/21	140 mm (5.51")	133 mm (5.24")
22	CMB4/22	146 mm (5.75")	139 mm (5.47")
23	CMB4/23	152 mm (5.98")	145 mm (5.71")
24	CMB4/24	158 mm (6.22")	151 mm (5.94")



Dimensions CMB4



Mounting Section Dimensions EPCMB4

4 Pole Internal Jumper CA727/4

CMB4 Terminal Block

End / Mounting Section EPCMB4

CXM2.5



CXMG2.5



CMS2.5



Dimensions & Weight

	CXM2.5	CXMG2.5	CMS2.5
Width	5 mm	5 mm	5 mm
Length	37 mm	37 mm	31 mm
Height w DIN Rail 15 x 5.5 mm	35 mm	35 mm	30.15 mm
Weight per piece	5.9 g	10.3 g	5.9 g

Technical Data/Ratings

Approvals						
Wire Size (solid / stranded)	24-12 AWG	0.2-2.5 mm ²	24-12 AWG	0.2-2.5 mm ²	24-12 AWG	0.2-2.5 mm ²
Voltage Rating	600 V	1000V AC/DC	600 V	1000V AC/DC	300 V	800V AC/DC
Current Rating	20 A	24 A	-	-	20 A	24 A
Insulation Material	Polyamide 66		Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	10 mm	10 mm	9 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CXM2.5	100	CXMG2.5	100	CMS2.5	100
Red R	CXM2.5/R	100	Yellow/Green		CMS2.5/R	100
Blue BU	CXM2.5/BU	100			CMS2.5/BU	100
Black BL	CXM2.5/BL	100			CMS2.5/BL	100
Orange O	CXM2.5/O	100			CMS2.5/O	100
Green G	CXM2.5/G	100			CMS2.5/G	100
Yellow Y	CXM2.5/Y	100			CMS2.5/Y	100
White W	CXM2.5/W	100			CMS2.5/W	100

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCXM2.5	50	EPCXM2.5	50	EPCMS2.5	50
DIN Rail	CA601/S	50	CA601/S	50	CA601/S	50
End Clamp	CA602	100	CA602	100	CA602	100
Jumper	2 pole JX2.5/2	100	2 pole JX2.5/2	100	-	-
3 pole JX2.5/3	50	3 pole JX2.5/3	50	-	-	
4 pole JX2.5/4	50	4 pole JX2.5/4	50	-	-	
5 pole JX2.5/5	50	5 pole JX2.5/5	50	-	-	
6 pole JX2.5/6	10	6 pole JX2.5/6	10	-	-	
7 pole JX2.5/7	10	7 pole JX2.5/7	10	-	-	
8 pole JX2.5/8	10	8 pole JX2.5/8	10	-	-	
10 pole JX2.5/10	10	10 pole JX2.5/10	10	-	-	
Spring Clamp Actuator	SCA2-5	1	SCA2-5	1	-	-
Marking Tag	MT5	1 Pk. (100 tags)	MT5	1 Pk. (100 tags)	MT5	1 Pk. (100 tags)

Operating Tool
for use with
CXM2.5



HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Spring Clamp Style
- Mountable on DIN 15 Mini Rail
- Feed Through Terminal
- Ground Terminal
- Side Entry Feed Through
- 2, 3, 4, 5, 6, 7, 10 pole Push-In Jumpers
- EX / IECEx approved

APPLICATIONS

- Limited Space Panels
- High Density Wiring Solutions
- Machine Control Panels
- High Vibration Applications

PANEL MOUNT CSCP SERIES

MINI / PANEL MOUNT TERMINALS

PANEL MOUNT SPRING TERMINAL BLOCKS

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Panel Mountable with any screw
- Endplates with screw flange
- Stackable design for flexible length configurations
- Modular snap-together design for quick assembly and easy installation
- External Jumper possibility
- EX / IECEx approved
- Custom assemblies available in all pole configurations and various colors

APPLICATIONS

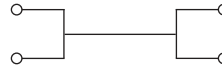
- Cost Effective Panel Mount Designs
- Limited Space Panels
- High Density Wiring Solutions
- Machine Control Panels
- High Vibration Applications

CSCP2.5T



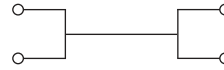
2 Connection Spring Terminal Panel Mount

CSCP2.5T2



4 Connection Spring Terminal Panel Mount

CXCP2.5/4



4 Connection Spring Terminal DIN Rail Mount

Dimensions & Weight

	CSCP2.5T	CSCP2.5T2	CXCP2.5/4
Width	5 mm	10 mm	10 mm
Length	35 mm	35 mm	35 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	21.3 mm (Panel Mount)	34.5 mm 42 mm
Weight per piece	5.0 g	9.5 g	9.5 g

Technical Data/Ratings

Approvals	CSCP2.5T		CSCP2.5T2		CXCP2.5/4	
	CE	IECEx	UL	IEC	UL	IEC
Wire Size (solid / stranded)	22-14 AWG / 0.2-2.5 mm ²		22-14 AWG / 0.2-2.5 mm ²		22-12 AWG / 0.2-2.5 mm ²	
Voltage Rating	600 V / 800 V AC/DC		600 V / 800 V AC/DC		600 V / 800 V AC/DC	
Current Rating	20 A / 24 A		20 A / 24 A		20 A / 24 A	
Insulation Material	Polyamide 66					

Installation Instructions

Wire Stripping Length	11 mm	11 mm	10 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm
Mounting Screw	Any length M3 screw may be used	Any length M3 screw may be used	-

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CSCP2.5T	100	CSCP2.5T2	100	CXCP2.5/4	100
Red R	CSCP2.5T/R	100	CSCP2.5T2/R	100	CXCP2.5/4/R	100
Blue BU	CSCP2.5T/BU	100	CSCP2.5T2/BU	100	CXCP2.5/4/BU	100
Black BL	CSCP2.5T/BL	100	CSCP2.5T2/BL	100	CXCP2.5/4/BL	100
Orange O	CSCP2.5T/O	100	CSCP2.5T2/O	100	CXCP2.5/4/O	100
Green G	CSCP2.5T/G	100	CSCP2.5T2/G	100	CXCP2.5/4/G	100
Yellow Y	CSCP2.5T/Y	100	CSCP2.5T2/Y	100	CXCP2.5/4/Y	100
White W	CSCP2.5T/W	100	CSCP2.5T2/W	100	CXCP2.5/4/W	100

Operating Tool
for use with
CSCP2.5T2



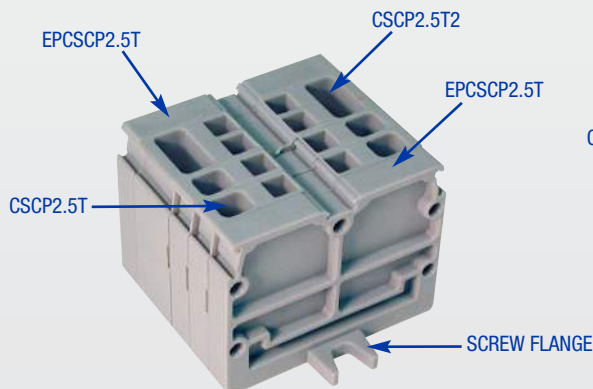
Custom
Assembly
Example



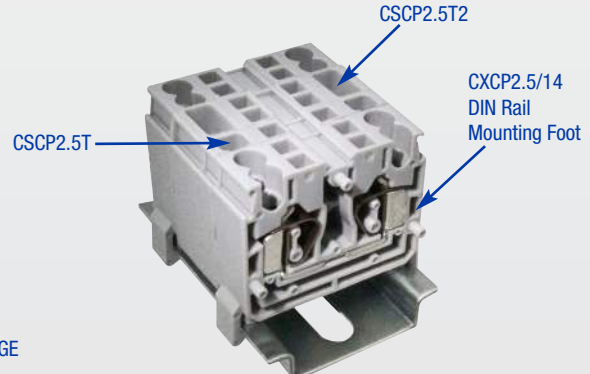
Accessories

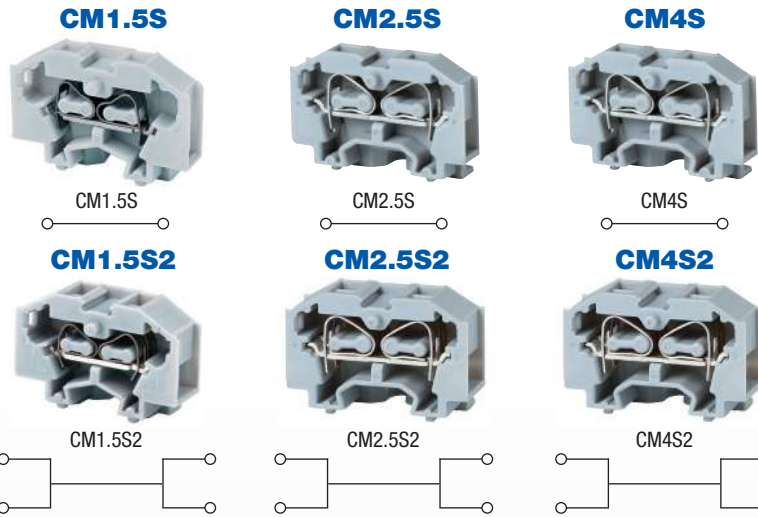
	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Section	EPCSCP2.5T	25	EPCSCP2.5T	25	EPCXCP2.5	25
Insulated Jumpers (2 pole)	CA803/1	100	CA803/1	100	CA803/1	100
Marking Tag	MT4	1 Pk. (100 tags)	MT3	1 Pk. (100 tags)	MT3	1 Pk. (100 tags)
Operating Tool	SCA2-5	1	SCA2-5	1	SCA2-5	1

PANEL MOUNT



DIN RAIL MOUNT





Dimensions

Width	2 Connection 4 Connection	5 mm 8 mm	6 mm 10 mm	7 mm 12 mm
Length		26.5 mm	30.0 mm	33.7 mm
Height (Panel Mount)		18.0 mm	20.0 mm	23.0mm
Weight per piece		1.8 / 3.8 g	3.2 / 5.2 g	g

Technical Data/Ratings

Approvals						
Wire Size (solid / stranded)	24-16 AWG / 0.2-1.5 mm ²		22-12 AWG / 0.2-2.5 mm ²		22-14 AWG / 0.2-4 mm ²	
Voltage Rating	300 V / 500V AC/DC		300 V / 500V AC/DC		300 V / 630V AC/DC	
Current Rating	10 A / 17 A		20 A / 24 A		26 A / 32 A	
Insulation Material	Polyamide 66					

Installation Instructions

Wire Stripping Length	8 mm	9 mm	8 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

2 Connections

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CM1.5S	100	CM2.5S	100	CM4S	100
Red R	CM1.5S/R	100	CM2.5S/R	100	CM4S/R	100
Blue BU	CM1.5S/BU	100	CM2.5S/BU	100	CM4S/BU	100
Black BL	CM1.5S/BL	100	CM2.5S/BL	100	CM4S/BL	100
Orange O	CM1.5S/O	100	CM2.5S/O	100	CM4S/O	100
Green G	CM1.5S/G	100	CM2.5S/G	100	CM4S/G	100
Yellow Y	CM1.5S/Y	100	CM2.5S/Y	100	CM4S/Y	100
White W	CM1.5S/W	100	CM2.5S/W	100	CM4S/W	100

4 Connections

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CM1.5S2	100	CM2.5S2	100	CM4S2	100
Red R	CM1.5S2/R	100	CM2.5S2/R	100	CM4S2/R	100
Blue BU	CM1.5S2/BU	100	CM2.5S2/BU	100	CM4S2/BU	100
Black BL	CM1.5S2/BL	100	CM2.5S2/BL	100	CM4S2/BL	100
Orange O	CM1.5S2/O	100	CM2.5S2/O	100	CM4S2/O	100
Green G	CM1.5S2/G	100	CM2.5S2/G	100	CM4S2/G	100
Yellow Y	CM1.5S2/Y	100	CM2.5S2/Y	100	CM4S2/Y	100
White W	CM1.5S2/W	100	CM2.5S2/W	100	CM4S2/W	100

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCM1.5S	50	EPCM2.5S	50	EPCM4S	50
Spring Clamp Actuator	SCA2-5	1	SCA2-5	1	SCA2-5	1
Marking Tag	MT4	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT6	1 Pk. (100 tags)
	MT7.5	1 Pk. (100 tags)	MT7.5	1 Pk. (100 tags)	MT12	1 Pk. (100 tags)

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Spring Clamp Style
- End Sections with screw flanges
- 3 wire sizes
- 2, 4 connection terminals
- All colors

APPLICATIONS

- Transformer Terminal Blocks
- Very Limited Space Applications
- Machine Control Panels



HIGHLIGHTS

FEATURES

- Suitable for High Temperatures up to 600°C (1112°F)
- Temperature Rating -40°C - 600°C
- 3 Sizes
- 1, 2, 3, 4 Pole configurations
- Free floating or Panel Mount
- Up to 65A
- Material:
 - Housing: Steatite
 - Clamp: Brass
 - Screws: Zinc Plated Steel

APPLICATIONS

- High Temperature Environments
- Furnaces
- Heaters
- Process Equipment
- Machinery

CB4



CB6



CB16



Technical Data/Ratings

Approvals									
Wire Size (solid / stranded)	24-12 AWG	24-12 AWG	0.5-2.5mm ²	22-10 AWG	22-10 AWG	0.5-4mm ²	18-6 AWG	20-6 AWG	0.5-2.5mm ²
Voltage Rating	300 V	300 V	800 VAC/DC	300 V	300 V	800 VAC/DC	300 V	300 V	800 VAC/DC
Current Rating	20 A	30 A	24 A	30 A	40 A	32 A	65 A	76 A	57 A
Torque	6 lb-in	6 lb-in	0.4Nm	6 lb-in	6 lb-in	0.5Nm	12 lb-in	12 lb-in	1.2Nm
Insulation Material	Ceramic			Ceramic			Ceramic		

Installation Instructions

Wire Stripping Length	8 mm	8 mm	8 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.8 x 4 mm	Flat Head 0.8 x 4 mm
Mounting Hole Size	3.5 mm	3.5 mm	3.5 mm
Recommended Mounting Screw	M3 x 16	M3 x 16	M3 x 20

Terminal Blocks

		Cat. No.	Std. Pk.	Weight	Cat. No.	Std. Pk.	Weight	Cat. No.	Std. Pk.	Weight
1 pole free floating	CB4/1	50	11.7 g	CB6/1	50	13.5 g	-	-	-	-
2 pole free floating	CB4/2	50	18.0 g	-	-	-	-	-	-	-
2 pole with mounting holes	CB4/2H	50	26.1 g	CB6/2H	50	27.3 g	CB16/2H	50	47.2 g	
3 pole free floating	CB4/3	50	30.1 g	-	-	-	-	-	-	-
3 pole with mounting holes	CB4/3H	50	42.3 g	CB6/3H	50	42.5 g	CB16/3H	50	44.6 g	
4 pole with mounting holes	-	-	-	CB6/4H	50	29.1 g	-	-	-	

Dimensions (All dimensions are shown in mm, to convert to inches please divide by 25.4)

