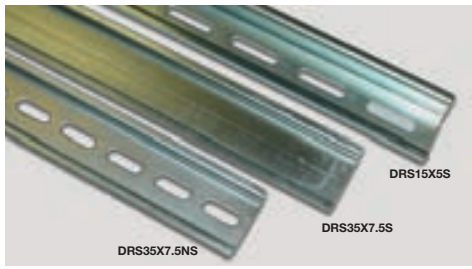
DIN RAILS

RoHS COMPLIANT

- All Din Rail supplied in 2 meter lengths
- All Din Rail is steel with white dichromate finish
- Standard packages of 10 pieces
- Priced per piece
- Rails to UNI 5961-67 standards,
- Sendzimir zinc plating.
- Thickness of covering = 8 microns
- Compliance with the following standards: DIN 46277, CENELEC EN50.022 / EN 50.023 / EN50.035.
- In according to Weee and RoHS directives.

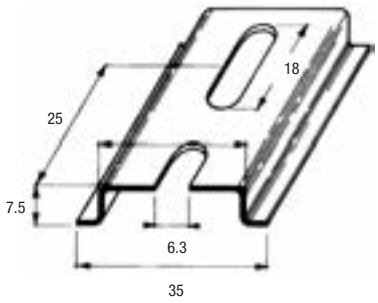


DRS35X7.5S

Part Number	Packing ft.	Packing m.
DRS35X7.5S	65	20

CUSTOM CUTS AVAILABLE

Perforated support rail in steel. Manufactured according to the following standards: DIN 46277 CENELEC EN 50.022. Length: 2m/6.56ft. bars

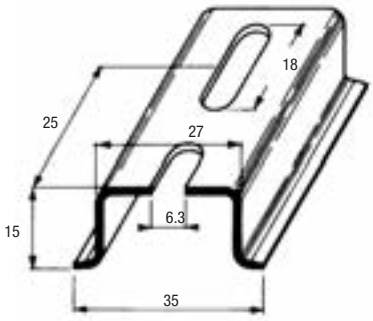


DRS35X15S

Part Number	Packing ft.	Packing m.
DRS35X15S	65	20

CUSTOM CUTS AVAILABLE

Perforated support rail in steel. Manufactured according to the CENELEC EN 50.022 standards. Length: 2m/6.56ft. bars

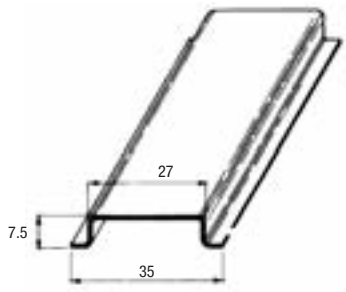


DRS35X7.5NS

Part Number	Packing ft.	Packing m.
DRS35X7.5NS	65	20

CUSTOM CUTS AVAILABLE

Support rail in steel for clip assembly of electrical equipment. Manufactured according to the following standards: DIN 46277 CENELEC EN 50.022. Length: 2m/6.56ft. bars

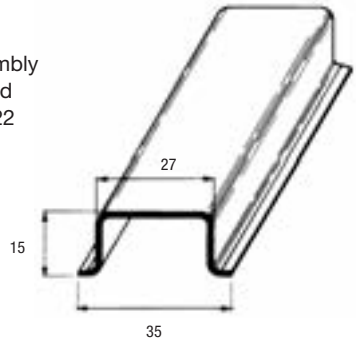


DRS35X15NS

Part Number	Packing ft.	Packing m.
DRS35X15NS	65	20

CUSTOM CUTS AVAILABLE

Support rail in steel for the clip assembly of electrical equipment. Manufactured according to the CENELEC EN 50.022 standards. Length: 2m/6.56ft. bars



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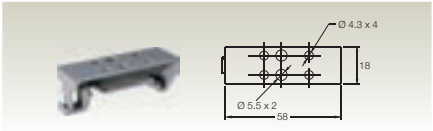
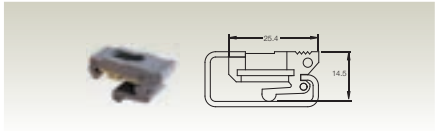
TERMINAL BLOCK ACCESSORIES

MOUNTING BASE

CMTB35 is used to assemble components on a Din Rail. The mounting base has 4 holes of Ø4.3mm and 2 holes of Ø5.5mm. CA902 can be used to fasten Din 15 Rail on to the Din 32 Rail.





Cat.No.	CMTB35	CA902
Dimension	58 x 18 x 18 mm	14.5 x 25.4 x 11.8 mm
Suitable for	Din 35 rail mounting	Din 32 Rail
Std. Pack	50	50

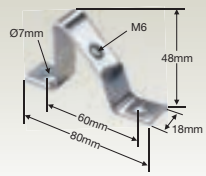
MOUNTING BRACKETS

These are used for better access and increased clearance from the surface of the panel. These brackets are zinc plated & chromate passivated.

CA603 - Can be used to install mounting rails at an angle of 45° to the panel surface.

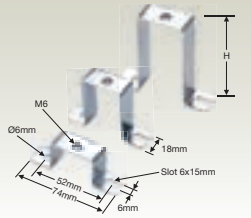
CA703 / CA803 / CA903 - Are used for fixing mounting rails at different heights.

CA603



Cat. No.	Std. Pack
CA603	25

CA703/CA803/CA903



Cat. No.	Height(H)	Std. Pack
CA703	25.4mm	25
CA803	50.8mm	25
CA903	76.2mm	25

SPACER

CASP can be used to increase the creepage and clearance distance between the Terminal Blocks and to segregate the different groups of Terminal Blocks.

CDL4USP can be stacked with the **CDL4U(O)** Terminal Block to create a housing for discrete components or small electronic circuits. The stacked housing can be fitted with an end plate to create a 'touch-proof' housing.

CASP

Cat. No.	Dimension
CASP	43 x 29 x 8 mm

CDL4USP

Cat.No.	Dimension
CDL4USP	54 x 55.5 x 6 mm

END CLAMPS

End Clamps help to secure the entire Terminal Block assembly on the DIN Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies. These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recessesto accommodate a group marker holder and marking tags for group identification. The steel parts are Zinc plated and Chromate passivated. The CA102 and CA202 are large End Stops for heavy duty applications. And the CA103 is a screwless End Stop which can be snapped on to the Din Rail.

Cat. No.	CA302	CA402	CA502	CA602
				
Dimension	39.5 x 27 x 16 mm	39.5 x 27 x 16 mm	25 x 22.5 x 11.5 mm	20 x 28 x 8 mm
Suitable for	DIN 35 Rail	DIN 35-15 Rail	DIN 32 Rail	DIN 15 Rail
Material	Steel	Steel	Steel	Polyamide 66
Std. Pack	50	50	50	50

Cat. No.	CA702	CA802	CA202	CA102	CA103
					
Dimension	34 x 44 x 9 mm	45 x 32 x 8 mm	44.5 x 50 x 9.5 mm	46 x 50 x 9 mm	41 x 35 x 6 mm
Suitable for	DIN 32 / DIN 35 / DIN 35-15 Rails	DIN 35 / DIN 35-15 Rails	DIN 35 / DIN 35-15 Rails	DIN 32 / DIN 35 / DIN 35-15 Rails	DIN 35 / DIN 35-15 Rails
Material	Polyamide 66	Polyamide 66	Polyamide 66	Polyamide 66	Polyamide 66
Std. Pack	50	50	50	50	50

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TERMINAL BLOCK ACCESSORIES

GROUP MARKER HOLDER

Two variants of Group Marker Holders are available for identification of Terminal Block assemblies:

GMH1, GMH2, GMH3, GMH4, GMH5 and GMH8

To be mounted in the grooves of End Clamps. CA509/G1 and CA509/G2 marking tags can be used with these marker holders.

GMH6, GMH7 & GMH8

To be mounted directly on Din Rails (GMH6 & GMH7). A sticker / paper needs to be inserted in the slot which is covered by a transparent plastic sheet.

GMH1

Mountable on CA602

GMH2

Mountable on CA702

GMH3

Mountable on CA802

GMH4

Mountable on CA802

GMH5

Mountable on CA702

GMH6

46.5(H) x 44.5(W) x 9.5(T) mm

Mountable on All Mounting Rails

GMH7

46.5(H) x 44.5(W) x 19.5(T) mm

Mountable on All Mounting Rails

GMH8

Mountable on CA103

TERMINAL BLOCK ACCESSORIES

MARKING TAGS

'MT' Series Marking Tags

The quick to fix 'MT' series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility.

The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on user's requirement.

For ordering pre-printed marking tags, the following pattern should be followed:

For a strip of marking tags for CTS2.5UN Terminal Blocks marked horizontally from 1 to 10: MT5/H-1-10

For a strip of marking tags for CTS4UN Terminal Blocks marked vertically with alphabet A: MT6/V-A

Blank Marking Tags

Cat. No.	Std. Pack Strips	Std. Pack Tags	Dimensions H	Dimensions W
MT2	10	100	4.9	5.8
MT3	20	100	5.0	10.0
MT4	10	100	5.0	4.8
MT5	10	100	9.5	4.5
MT6	10	100	9.5	5.6
MT6F	10	10	9.5	60
MT8	10	100	10.5	7.5
MT9	10	100	10.3	8.7
MT9F	10	10	10.3	90.0
MT10	20	100	10.4	9.5
MT12	20	100	10.4	11.4
MT15	20	100	10.4	14.4
MT20	20	100	4.9	19.9
MT25	20	100	4.9	24.9

Tags with Horizontal Print

Cat. No.	Std. Pack Strips	Std. Pack Tags	Dimensions H	Dimensions W
MT2/H	10	100	4.9	5.8
MT3/H	20	100	5.0	10.0
MT4/H	10	100	5.0	4.8
MT5/H	10	100	9.5	4.5
MT6/H	10	100	9.5	5.6
MT6F/H	10	10	9.5	60
MT8/H	10	100	10.5	7.5
MT9/H	10	100	10.3	8.7
MT9F/H	10	10	10.3	90.0
MT10/H	20	100	10.4	9.5
MT12/H	20	100	10.4	11.4
MT15/H	20	100	10.4	14.4
MT20/H	20	100	4.9	19.9
MT25/H	20	100	4.9	24.9

Tags with Vertical Print

Cat. No.	Std. Pk. Strips	Std. Pk. Tags	Dimensions H	Dimensions W
MT2/V	10	100	4.9	5.8
MT3/V	20	100	5.0	10.0
MT4/V	10	100	5.0	4.8
MT5/V	10	100	9.5	4.5
MT6/V	10	100	9.5	5.6
MT6F/V	10	10	9.5	60
MT8/V	10	100	10.5	7.5
MT9/V	10	100	10.3	8.7
MT9F/V	10	10	10.3	90.0
MT10/V	20	100	10.4	9.5
MT12/V	20	100	10.4	11.4
MT15/V	20	100	10.4	14.4
MT20/V	20	100	4.9	19.9
MT25/V	20	100	4.9	24.9

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Insert Type & Group Marking Tags

The Group Markers are made out of Polyamide 6.6 and have a very large blank surface area which can be used for group identification.

Cat. No.	Std. Pack Tags	Dimensions H	Dimensions W
MTG1	100	35	17.8
MTG2	100	35	17.8

MARKER PLOTTER SYSTEM

CMPS500BASIC

The CMPS500BASIC unit is an A4 size auxiliary plotter and has to be connected to a computer via a USB connection. It is a high speed plotting device and enables plotting of different markers in one setting. The marker fixture and the plotter pen have to be inserted before commencing the plotting operation. The base unit is primarily controlled through a computer with the help of CMPS software.

Dimensions of the CMPS500BASIC are 440 x 440 x 125 mm.

Description	Cat. No.
CMPS500BASIC, A4 Size Plotter Unit (includes cable, power adapter & software)	PL-34130009

DISPOSABLE PENS

The Disposable Pens use a special ink which delivers outstanding durability and print quality. These pre-filled pens allow for fast, efficient and cost effective printing without refilling the ink or cleaning. They are available in two tip widths of 0.18 mm, 0.25 mm and 0.35 mm.

Description	Cat. No.
0.18 mm Disposable Plotter Pen	PL-35003118
0.25 mm Disposable Plotter Pen	PL-35003125
0.35 mm Disposable Plotter Pen	PL-35003135

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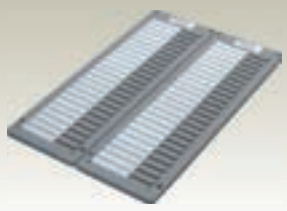
FIXTURES



Fixtures are required for alignment of markers with respect to the plotter pen. Different marker fixtures can be mounted on the plotter bed of the CMPS 500 at the same time thereby reducing its set up time.

Description	Cat. No.
elecDirect.com MT5 fixture (applicable for MT5, MT6, MT8, MT10, MT12, MT15, MT16, MT6F Markers)	PL-34902001
elecDirect.com MT2 fixture (applicable for MT2, MT3, MT4, MT20, MT25 Markers)	PL-34902081

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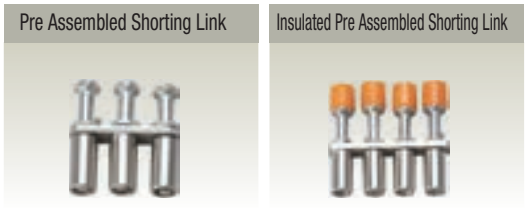
TERMINAL BLOCK ACCESSORIES

SCREW CLAMP TERMINAL BLOCK SHORTING LINKS



Shorting / Bridging System for Polyamide Screw Clamp Terminal Blocks

The shorting systems bridge potentials between terminal blocks, reducing wiring time. Adjacent blocks or selective terminal blocks within an assembly can be easily interconnected, leaving terminal clamps free for wiring. Preassembled shorting links, which are ready for installation, are used for quick shorting or individual components can be selected to create custom or extra long shorting links. The current carrying capacity of shorting systems is lower than the rated current of the respective Terminal Blocks, therefore applied current must not exceed the maximum current value (IEC/EN) of the Terminal Block.

Preassembled Internal shorting link assemblies

Internal shorting link Assemblies consist of a Current Bar, Shorting Sleeves and screws. They install easily into the center of the terminal block and connect to the current bar. They are available as standard 2, 3, 4, 10 or 100 pole assemblies and are ready for immediate installation. Insulated preassembled internal shorting link assemblies provide shock protection when installed on Terminal Blocks.

External Comb type Shorting Links

External shorting links bridge potentials between terminal blocks, reducing wiring time. Adjacent or selected blocks within an assembly can be easily interconnected. Individual links may be removed for selective shorting. These are insulated and available in 2, 3, 4 and 10 pole versions. They are made of tin plated brass/copper. Comb Link must be tightened to the recommended torque specified to get a reliable connection.

Permanent Shorting Links

Shorting Links are used to create custom shorting assemblies for increased number of poles. The current bar with the required number of poles can be selected, or can be cut in the field to the required length. They are made of tin or nickel plated copper or brass.

Shorting Sleeves & Screws

Shorting Sleeves & Screws ensure reliable and mechanically safe electrical connections between shorting links and the Terminal Block current bars. One shorting sleeve is required for each shorted Terminal Block. They are made of nickel plated brass. Shorting Sleeve and Screws are supplied with spring washer. The shorting screws must be tightened to the recommended torque specified to get a reliable connection.

1 Internal shorting system not available.
2 100 pole strip can be broken down to any number of poles desired.

Terminal Series	Poles	Cat. No.	Torque	Std. Pack	Cat. No.	Torque	Std. Pack
CTS2.5UN	2	CA721/2	0.4 Nm	100	CA741/2	0.4 Nm	100
	3	CA721/3		100	CA741/3		100
	4	CA721/4		100	CA741/4		100
	10	CA721/10		10	CA741/10		10
	100[2]	CA721/100		10	CA741/100		10
CTS4UN CMC1-2 CMC2-2 CKT4U[1] CDL4UN CDL4UN(I.S)	2	CA722/2	0.4 Nm	100	CA742/2	0.4 Nm	100
	3	CA722/3		100	CA742/3		100
	4	CA722/4		100	CA742/4		100
	10	CA722/10		10	CA742/10		10
	100[2]	CA722/100		10	CA742/100		10
	10(breakable)						
CTS6U CDTTU[1] CDTTU-SH[1] CSDL6U[1] CSFL6U[1]	2	CA723/2	0.5 Nm	100	CA743/2	0.5 Nm	100
	3	CA723/3		50	CA743/3		50
	4	CA723/4		50	CA743/4		50
	10	CA723/10		10	CA743/10		10
CTS10U	2	CA724/2	0.5 Nm	100	CA744/2	0.5 Nm	100
	3	CA724/3		50	CA744/3		50
	4	CA724/4		50	CA744/4		50
	10	CA724/10		10	CA744/10		10
CTS16U	2	CA751/2	0.8 Nm	50	CA761/2	0.8 Nm	50
	3	CA751/3		50	CA761/3		50
	4	CA751/4		50	CA761/4		50
	10	CA751/10		10	CA761/10		10
CTS25U CTS25UN	2	CA725/2	0.8 Nm	50	CA745/2	0.8 Nm	50
	3	CA725/3		20	CA745/3		20
	4	CA725/4		20	CA745/4		20
	10	CA725/10		10	CA745/10		10
CTS35U	2	CA726/2	0.8 Nm	50	CA746/2	0.8 Nm	50
	3	CA726/3		20	CA746/3		20
	4	CA726/4		20	CA746/4		20
	10	CA726/10		10	CA746/10		10
CTS35UN	2	CA771/2	0.8 Nm	50	CA781/2	0.8 Nm	50
	3	CA771/3		20	CA781/3		20
	4	CA771/4		20	CA781/4		20
	10	CA771/10		10	CA781/10		10
CMT4 CMT4S CMB4 CDL4U CDL4U(I.S) ODL4U	2	CA727/2	0.4 Nm	100	CA747/2	0.4 Nm	100
	3	CA727/3		100	CA747/3		100
	4	CA727/4		100	CA747/4		100
	10	CA727/10		10	CA747/10		10
	100[2]						
	10(breakable)						
CSFL4U[1] CSFL4U(L)[1] CF4U[1] / CF4U(L)[1] CSDL4U[1] DDFL4U / 4U(E) DDDL4U	2	CA729/2	0.5 Nm	100	CA749/2	0.5 Nm	100
	3	CA729/3		50	CA749/3		50
	4	CA729/4		50	CA749/4		50
	10	CA729/10		10	CA749/10		10
CAFL4U[1] CAFL4U(L)[1]	2						
	3						
	4						
	10						
CTL2.5U CTL2.5UH CTL2.5UL CTL2.5UHL CTL2.5U(I.S)	2	CA722/2	0.4 Nm	100			
	3	CA722/3		50			
	4	CA722/4		50			
	10	CA722/10		10			
	100[2]	CA722/100		10			
	10(breakable)						

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TERMINAL BLOCK ACCESSORIES

Comb Link

Cat. No.	Torque	Std. Pack
CA717/2	0.4 Nm	100
CA717/3		100
CA717/4		100
CA717/10		20
CA713/2	0.5 Nm	100
CA713/3		100
CA713/4		100
CA713/10		20
CA710/2	0.8 Nm	100
CA710/3		50
CA710/4		50
CA710/10		20
CA718/2	0.8 Nm	100
CA718/3		50
CA718/4		50
CA718/10		20
CA714/2	0.5 Nm	100
CA714/3		100
CA714/4		100
CA714/10		20
CA711/2	0.8 Nm	100
CA711/3		50
CA711/4		50
CA711/10		20
CA716/2	0.8 Nm	50
CA716/3		50
CA716/4		50
CA716/10		20
CA715/2	0.4 Nm	100
CA715/3		100
CA715/4		100
CA715/10		20

Permanent Shorting Link

Cat. No.	Std. Pack
CA703/01	100
CA704/01	100
CA705/01	100
CA731/10	100
CA731/100	10
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/100	10
CA732/10-A	100
CA703/2	100
CA704/2	100
CA705/2	100
CA733/10	100
CA703/3	100
CA704/3	100
CA705/3	100
CA734/10	100
CA703/8	100
CA704/8	100
CA705/8	100
CA739/10	100
CA703/4	100
CA704/4	100
CA705/4	100
CA735/10	100
CA703/5	100
CA704/5	100
CA705/5	100
CA736/10	100
CA703/10	100
CA704/10	100
CA705/10	100
CA770/10	100
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/100	10
CA731/10-A	100
CA703/6	100
CA704/6	100
CA705/6	100
CA737/10	100
CA703/1	100
CA704/1	100
CA705/1	100
CA732/10	100
CA732/100	10
CA732/10-A	100

Shorting Sleeves & Screws

Cat. No.	Torque	Std. Pack
CA707/S/Q/01	0.4 Nm	100
CA707/S/Q/01	0.4 Nm	100
CA707/S/Q/1	0.5 Nm	100
CA707/S/Q/1	0.5 Nm	100
CA707/S/Q/5	0.8 Nm	100
CA707/S/Q/2	0.8 Nm	100
CA707/S/Q/2	0.8 Nm	100
CA707/S/Q/2	0.8 Nm	100
CA607/S/Q	0.4 Nm	100
CA707/S/Q/3	0.5 Nm	100
CA707/S/Q/01	0.4 Nm	100

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TERMINAL BLOCK ACCESSORIES

SPRING CLAMP TERMINAL BLOCK SHORTING LINKS

Shorting Links for Spring Clamp Terminal Blocks

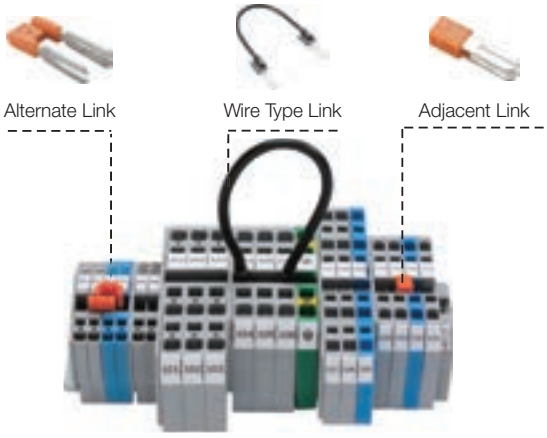
Adjacent / Alternate / Wire type links are available for cross connection in Spring Clamp Terminal Blocks. The links need to be inserted (Push-in) into the rectangular slots provided in the current bar of the Terminal Block.

Chain Bridging can be achieved by using Adjacent shorting links.

Wire type shorting links provide flexibility for inter-connection in an assembled block of spring clamp terminals.

Note:
1 The current carrying capacity of shorting systems is lower than the rated current of the respective Terminal Blocks, therefore applied current must not exceed the maximum current value (IEC/EN) of the Terminal Block.
2 The current carrying capacity of wire type shorting links is 10 A.

Terminal Block	Cat. No.	Std. Pack.	Cat. No.	Std. Pack.	Cat. No.	Std. Pack.
CSC2.5T Series	CA801/1	100	CA801/1-3	100	CA901/1	100
CSC4T Series	CA801/2	100	CA801/2-3	100	CA901/2	100
CSC6T Series	CA801/3	100	CA801/3-3	100	CA901/3	100
CSC10T Series	CA801/4	100				
CSC16T Series	CA801/5	100				
CSCP2.5T Series	CA803/1	100				
ADL2.5 Series	CA801/1	100	CA801/1-3	100	CA901/1	100
ASF4 Series	CA801/7	100				
AS2.5 Series	CA801/1	100	CA801/1-3	100	CA901/1	100
AS4 Series	CA801/2	100	CA801/2-3	100	CA901/2	100
AS6 Series	CA801/3	100	CA801/3-3	100	CA901/3	100

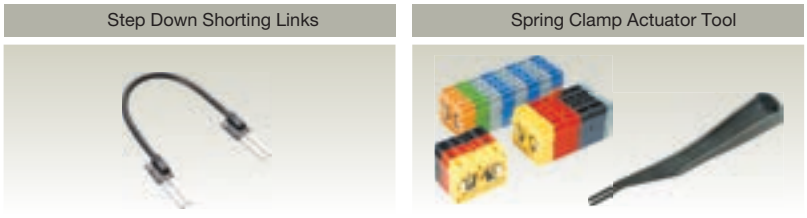


Step Down Shorting Links

These Links help in shorting Spring Clamp Terminal Blocks of different sizes.

Spring Clamp Actuator Tool

The shorting link of CSCP2.5T / CSCP2.5T2 can be easily inserted by using the Spring Clamp Actuator tool.



Type / Cat. No.	Shorting Link for	Std. Pack
CA901/4	CSC6T Series to CSC4T Series AS6 Series to AS4 Series	100
CA901/5	CSC6T Series to CSC2.5T Series AS6 Series to AS2.5 Series	100
CA901/6	CSC4T Series to CSC2.5T Series AS4 Series to AS2.5 Series	100

Type / Cat. No.	Std. Pack
SCA2.5	1

E

TERMINAL BLOCK ACCESSORIES

END PLATES

End Plates are used to cover the live parts of the last Terminal Block.

Type / Cat. No.	Std. Pack	Dimension (H x W x T)	Suitable for
EP2.5/4UN	50	32 x 39 x 1.5	CTS2.5UN/4UN/2.5UNCR/4UNCR/CTT2.5UK/T/J/E
EP6/10U	50	31 x 42.5 x 1.5	CTS6U/CTS10U/6UCR/10UCR
EP25U	50	40 x 48 x 2	CTS25U/CTS25UCR
EP35U	50	43 x 50 x 1.5	CTS35U/CTS35UCR
EPCMC1-2	50	35.5 x 46.5 x 2.5	CMC1-2
EPCMC2-2	50	40.5 x 65 x 2.5	CMC2-2
EPCDL4U	50	43 x 55 x 2.4	CDL4U/CDL4U(I.S)/ CDL4U(E) Series
EPCDL4UN	50	47.5 x 57 x 1.5	CDL4UN/CDL4UN(I.S)
EPODL4U	50	49 x 68 x 5.5	ODL4U/ODL4UA(Front Side)
EP1ODL4U	50	24 x 68 x 3	ODL4U/ODL4UA(Back Side)
EPCDGL2.5	50	48 x 71.4 x 1.2	CDGL2.5
EPCTL2.5U	50	55.5 x 84 x 1.5	CTL2.5U/2.5UL/2.5U(I.S)
EPCTL2.5UH	50	55.5 x 61 x 1.5	CTL2.5UH/2.5UH(L)/2.5UH(I.S)D2
EPCTGL2.5	50	62.5 x 87.5 x 1.2	CTGL2.5/CTGL2.5(E)MOV
EPCMT4	50	23 x 27 x 1.5	CMT4/CMT4S/CMT4SU
EPCMB4	50	27 x 27 x 7	CMB4
EPCSFL4U	50	23.5 x 55.5 x 1.6	CSFL4U/4U(L)/CSDL4U
EPCSFL6U	50	42.5 x 36 x 1.5	CSFL6U/CSDL6U
EPCAFL4U	25	32 x 72 x 1.5	CAFL4U/4UL/4UN
EPDDFL4U	25	49 x 87.6 x 3	DDFL4U/4ULR/4U(E)/4U(E)LR
EPCDTTU	50	41 x 63 x 3	CDTTU/CDTTUSH
EPCKT4U	50	30.5 x 46.5 x 2.5	CKT4U/CKT4US
EPCKT4U/4	50	65 x 38.3 x 1.5	CKT4U/4
EPCGT4U	50	40.5 x 43 x1	CGT4U
EPUSC	50	52 x 48.5 x 1.5	CTS4USC/6USC/10USC / CHV4U/6U/10U
EPCTC4U	50	34.5 x 47 x 2.5	CTC4U
EPCSTSU	50	31 x 50 x 1.5	CSTSN4U/N5U/N6U/B4U/B5U
EPSTH4	50	39.5 x 46 x 1.5	STH4
EPSTH4DT	50	37.5 x 86 x 1.5	STH4DT / STH4DTSH
EPCSC2.5T	50	23 x 58 x 1.5	CSC2.5T/CSCG2.5T
EPCSC4T	50	28 x 65 x 1.5	CSC4T/CSCG4T/CSC4TD1/D2
EPCSC6T	50	31.5 x 72 x 2	CSC6T/CSCG6T
EPCSC10T	50	37.5 x 75 x 1.5	CSC10T/CSCG10T
EPCSC16T	50	82 x 38 x 1.5	CSC16T/CSCG16T
EPCSCDK2.5T	50	58 x 23.4 x 1.5	CSCDK2.5T
EPCSCDK2.5T/4	50	89.8 x 25 x 1.5	CSCDK2.5T/4
EPCSCP2.5T(L&R)	50	27.3 x 35 x 5	CSCP2.5T/CSCP2.5T2
EPCSC2.5T1-2	50	25 x 74 x 1.5	CSC2.5T1-2
EPCSC2.5T2-2	50	25 x 90 x 1.5	CSC2.5T2-2/CSC2.5T/4(E)D3
EPCSC4T1-2	25	28.5 x 84.5 x 1.5	CSC4T1-2
EPCSC4T2-2	25	28.5 x 105 x 1.5	CSC4T2-2
EPCSC6T1-2	50	94 x 30 x 1.5	CSC6T1-2
EPAS2.5	50	35 x 54 x 1.5	AS2.5, 2.5/3, 2.5/4, AGT2.5, 2.5/3, 2.5/4
EPAS4	50	27.5 x 61 x 1.5	AS4, 4/3, 4/4, AGT4, 4/3, 4/4
EPAS6	50	33.5 x 74 x 1.5	AS6, 6/3, AGT6, 6/3
EPASF4	50	37 x 86 x 1.5	ASF4/ASF4L
EPADL2.5	50	43.5 x 80 x 1.5	ADL2.5/ADL2.5(E)D1/D2
CTSEP01	50	31 x 36.5 x 1.8	CTS2.5(M)/2.5(M)S1/S2/S
CTSEP1	50	49 x 40 x 2.7	CTS2.5/6/10/4SC/6SC
CTSEP2	50	54 x 49.5 x 3	CTS16
CTSEP3	50	52 x 58 x 2.7	CTS35
CTSEP1SC	50	43.5 x 50 x 2.5	CTS10SC
CSTSEP2	50	44.5 x 50 x 3	CSTSB3/B4/B5/N4/N5/N4(15)/N5(15)/N6
CSTSREP	50	48.5 x 43 x 3	CSTSRN5/CSTSRN6
CDTEP	50	56 x 68 x 3.2	CDTTS/CDTTS-SH
EPCMDT4	50	48.7 x 68 x 2.4	CMDT4/CMDT4SH
CTSEP4	50	5 x 120 x 2.5	CTS35L/70L/35LS/70LS

TERMINAL BLOCK ACCESSORIES

PARTITION & SEPARATOR PLATES

Partition Plates are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

For visual separation of different circuits, a choice of coloured End Plates and Partition Plates are also available.

Separator Plates are used for electrical separation of adjacent shorting links without the use of additional space. They can be inserted after the Terminal Blocks have been assembled on the din rail.

PROTECTIVE COVERS (CSTS Series)

Where the Terminal Blocks do not form fully shrouded assemblies, Protective Covers are used to shroud the live parts and also provide protection from dust.

Techspan offers two types of Protective Covers for Stud Type Terminal Blocks:

Snap-On Type

(in Polycarbonate) - Easily mountable, they are used to shroud 2 or 3 terminals.

Long Protective Cover

(in Acrylic) - These are used to shroud larger assemblies and are available in lengths of 100/200/300 mm.

Protective Covers/side Holding Plates

Suitable for all types of Terminal Blocks, the CTSPC is designed to provide protection against dust and shock. The transparent Protective Cover can be installed above the Terminal Block assembly with the help of a side holding plate on each end of the assembly. The CTSPC with the side holding plates can be fitted on the Din32 / Din 35 rails. The assemblies with Protective Cover should be backed by a standard End Clamp.

Partition Plates

Type / Cat. No.	Std. Pack	Dimension (H x W x T)	Suitable for
PP2.5/4UN	50	37 x 44 x 1.6	CTS2.5UN/4UN/2.5UNCR/4UNCR/CTT2.5U
PP6/10U	50	37.5 x 56 x 1.5	K/T/J/E
PP25U	50	46.5 x 62 x 1.5	CTS6U/CTS10U/6UCR/10UCR
PP25UN	50	42.5 x 62 x 1	CTS25U/CTS25UCR
PP35U	50	50 x 64.5 x 1.5	CTS25UN
PP35UN	50	50 x 64.5 x 1	CTS35U/CTS35UCR
PPCMT4	50	32 x 37 x 1.6	CTS35UN
PPCSFL4U	50	42.5 x 62 x 1.5	CMT4/CMT4S/CMT4SU
PPCSC2.5T	50	28 x 58.7 x 1.5	CSFL4U/4U(L)/CSDL4U
PPCSC4T	50	33 x 65 x 1.5	CSC2.5T/CSCG2.5T
PPCSC6T	50	36.5 x 72 x 2	CSC4T/CSCG4T
CTSPP01	50	43.5 x 49 x 2.3	CSC6T/CSCG6T
CTSPP1L	50	63 x 40 x 2.8	CTS2.5(M)/2.5(M)CR/2.5(M)S1/S2/S
CTSPP1B	50	60 x 55 x 3	CTS2.5/6/10/4SC/6SC/2.5CR/6CR/10CR
CTSPP2	50	66.5 x 66 x 3	CTS2.5/6/10/4SC/6SC/2.5CR/6CR/10CR
CTSPP3	50	59 x 67.5 x 3	CTS16/CTS16CR
CTSPP1SC	50	48 x 60 x 3	CTS35/CTS35CR
CMSTPP	50	23 x 27 x 1.5	CTS10SC
CSTSPP	20	53 x 60 x 3	CMST1/CMST2
EP4P	50	70 x 160 x 2	CSTSB3/B4/B5/N4/N5/N4(15)/N5(15)/N6

Separator Plates

Type / Cat. No.	Std. Pack	Dimension (H x W x T)	Suitable for
SP2.5/4UN	100	17.5 x 17.4 x 1.4	CTS2.5UN/4UN/2.5UNCR/4UNCR/CTT2.5U
SP6/10U	100	15.4 x 16.2 x 1.5	K/T/J/E
SPCDL4U	100	15.4 x 16.2 x 1.6	CTS6U/CTS10U/6UCR/10UCR/16U/16UCR
SPCMB4	100	14.5 x 12 x 1.5	CDL4U/CDL4U(I.S)/ CDL4U(E) Series
SPCDLG2.5	100	11 x 10.5 x 1	CMB4

Protective Covers / Side Holding Plates

Snap on Type

For Stud Type Terminals

Snap on Type

For Disconnect & Test Type Terminals

Sliding Type

For Stud Type, Bus Bar Type, Disconnect & Test Type Terminals

CTSPC

For All Terminal Blocks

CSP1

Support for CTSPC

E

TERMINAL BLOCK TECHNICAL INFORMATION

ATEX APPROVED TERMINAL BLOCKS

The ATEX approved Terminal Blocks have been assured for compliance with :

- EN 50014
- EN 60079-7
- EN 50020
- EN 50281-1-1-1

Certification can be traced to Techspan Certificate Number TÜV 06 ATEX 2968U

Technical Data:

Operating Temperature	-40°C to +85°C
Maximum Voltage for intrinsicly safe "i" circuits *	60 V

Type No.	Rated Voltage			Rated Current	Wire Range
	for DIN 35 Rail	for DIN 32 Rail	for DIN 15 Rail		
CTS2.5UN	630 V	630 V		21 A	0.5-2.5 sq.mm
CTS4UN	630 V	630 V		28 A	0.5-4 sq.mm
CTS6U	630 V	630 V		36 A	1.5-6 sq.mm
CTS10U	630 V	630 V		50 A	1.5-10 sq.mm
CTS16U	630 V	500 V		66 A	2.5-16 sq.mm
CTS25U	630 V	630 V		88 A	6-25 sq.mm
CTS35U	630 V	630 V		109 A	10-35 sq.mm
CMC1-2	400 V	320 V		28 A	0.5-4 sq.mm
CMC2-2	500 V	500 V		28 A	0.5-4 sq.mm
CDL4U	320 V	320 V		28 A	0.5-4 sq.mm
ODL4U	630 V	500 V		28 A	0.5-4 sq.mm
CTL2.5U	320 V	320 V		21 A	0.5-2.5 sq.mm
CTL2.5UH	320 V	320 V		21 A	0.5-2.5 sq.mm
CMT4			320 V	28 A	0.5-4 sq.mm
CSC2.5T	500 V			21 A	0.5-2.5 sq.mm
CSC4T	500 V			28 A	0.5-4 sq.mm
CSC6T	500 V			36 A	0.5-6 sq.mm
CSC2.5T1-2	500 V			21 A	0.5-2.5 sq.mm
CSC2.5T2-2	500 V			21 A	0.5-2.5 sq.mm
CSC4T1-2	500 V			28 A	0.5-4 sq.mm
CSC4T2-2	500 V			28 A	0.5-4 sq.mm
CGT4U	PE	PE			0.5-4 sq.mm
CGT4N	PE				0.5-4 sq.mm
CGT10U	PE	PE			1.5-10 sq.mm
CGT35U	PE	PE			10-35 sq.mm
CGMT4			PE		0.5-4 sq.mm
CMB4		320 V (Panel Mount)		28 A	0.5-4 sq.mm
CSCP2.5T		500 V (Panel Mount)		21 A	0.5-2.5 sq.mm
CSCP2.5T2		500 V (Panel Mount)		21 A	0.5-2.5 sq.mm

* CGT Series (Earthing) Terminal Blocks can not be used in " i " intrinsicly safe circuit

Note:
For installation instructions refer to **www.elecDirect.com**

TERMINAL BLOCK TECHNICAL INFORMATION

WIRE TIGHTENING

The design of the elecDirect.com Screw Clamps / Cable Lug system ensures vibration proof positive connection wires at the recommended torque values. However, elecDirect.com Terminal Blocks can withstand torque levels in excess of the recommended torque values. The Terminal Block clamping parts when tightened within the torque range ensure optimum performance as given below:

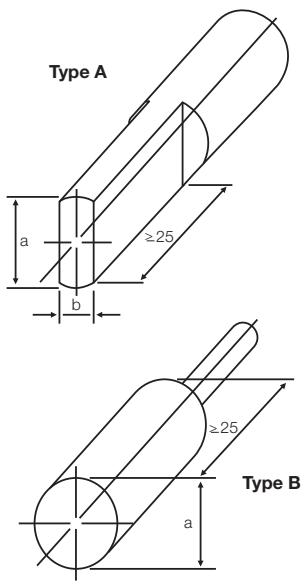
- The voltage drop (contact resistance) is well below the specified limits
- The wire gets clamped perfectly to form a gas tight connection
- The clamping yoke does not get damaged mechanically. The tightening torque according to IEC 60947-7-1 table 4, is the safe limit of the torque which guarantees the successful clamping of the connected wire.

elecDirect.com Terminal Blocks tightening torque data is given in the respective product pages.

All elecDirect.com Terminal Blocks are designed to function with rated wire sizes as per their respective AWG (American Wire Gauge) or Metric size/system. The Terminal Blocks are tested for Gauge Insertion as per VDE 0660.

Tightening Torque for Screw Clamp Terminal Blocks

Terminal Blocks	Thread Size of Fastener	Recommended Torque Value
CTS2.5UN/CPT(M)/CPT5	M 2.5	0.4 Nm
CTS2.5(M)/CMST1/CMST2	M 2.6	0.4 Nm
CTS2.5/CMT4/CMB4/CDL4U/ODL4U/ CGT4U/CTS4UN/CTS4SC/CSTSB3/CSFL4U/ CSDL4U/CKT4U/CPT7.5/DDFL4U/ DDFL4U(E)/DDFL4U(E)LR/CMC1-2/CMC2-2	M 3	0.5 Nm
CTS6/CTS6SC/CTS6U/CSFL6U/CENC4	M 3.5	0.8 Nm
CTS10/10U/CTS16/16U/CSTSN4/B4/CDT TS/ CTS10SC/CGT10U/DDPT/CDTTU/CSTSN4U/STH4	M 4	1.2 Nm
CTS25U/CSTSB5/N5/N5(15)/RN5/N5U/CENC16	M 5	2.0 Nm
CTS35/CTS35U/CENC35/CGT35U/CSTSN6U	M 6.0	2.0 Nm
CTS35L/35LS/CSTSRN6/CSTSN6	M 6.0	2.8 Nm
CTS70L/70LS/CTS95L/95LS	M10.0	10.0 Nm



Representative Picture of Gauge Type A and Type B

Conductor cross-sections and Gauges

Conductor Cross-section							
Flexible (sq.mm)	Rigid (solid or stranded) (sq.mm)	Gauge Type A			Gauge Type B		Permissible deviation for a and b
		Marking	Diameter a (mm)	Width b (mm)	Marking	Diameter a (mm)	
1.5	1.5	A1	2.4	1.5	B1	1.9	0 / -0.05
2.5	2.5	A2	2.8	2.0	B2	2.4	0 / -0.05
2.5	4	A3	2.8	2.4	B3	2.7	0 / -0.05
4	6	A4	3.6	3.1	B4	3.5	0 / -0.06
6	10	A5	4.3	4.0	B5	4.4	0 / -0.06
10	16	A6	5.4	5.1	B6	5.3	0 / -0.06
16	25	A7	7.1	6.3	B7	6.9	0 / -0.07
25	35	A8	8.3	7.8	B8	8.2	0 / -0.07
35	50	A9	10.2	9.2	B9	10.0	0 / -0.07
50	70	A10	12.3	11.0	B10	12.0	0 / -0.08
70	95	A11	14.2	13.1	B11	14.0	0 / -0.08
95	120	A12	16.2	15.1	B12	16.0	0 / -0.08
120	150	A13	18.2	17.0	B13	18.0	0 / -0.08
150	185	A14	20.2	19.0	B14	20.0	0 / -0.08
185	240	A15	22.2	21.0	B15	22.0	0 / -0.09
240	300	A16	26.5	24.0	B16	26.0	0 / -0.09

TERMINAL BLOCK TECHNICAL INFORMATION

ELECTRICAL DATA

elecDirect.com Terminal Blocks are standard blocks for industries such as Switchgear, Distribution, Machine Tools Control, Instrumentation Installations, Material Handling Equipments, Process Plants On and Offshore Installations and Panel Board Construction.

Rated Voltage

The voltage rating of the product is assigned in accordance with specifications related to Creepage & Clearance distance defined in respective **EN, VDE, UL** and **CSA** standards, for the environmental conditions and pollution degrees as given below.

Degree of Pollution

Creepage and clearance distances are evaluated for the following pollution degree :

Pollution degree 1 — No pollution or only dry, non-conductive pollution occurs. The pollution has no influence.

Pollution degree 2 — Only non-conductive pollution occurs except that occasionally a temporary conductivity caused by condensation is to be expected.

Pollution degree 3 — Conductive pollution occurs or dry, non conductive pollution occurs which becomes conductive due to condensation is to be expected.

Pollution degree 4 — The pollution generates persistent conductivity caused by conductive dust or by rain or snow.

Rated Impulse Voltage

The rated impulse voltage of the product is the peak value of an impulse voltage with which the terminal block can be loaded and on which the creepage and clearances according to relevant standard are based.

CTI - Comparative Tracking Index of Insulation material

The insulation material is divided into four groups according to their CTI (Comparative Tracking Index)

Insulation I	**600 ≤ CTI**
Insulation II	**400 ≤ CTI < 600**
Insulation III a	**175 ≤ CTI < 400**
Insulation III b	**100 ≤ CTI < 175**

The Comparative Tracking Index must be defined according to **DIN IEC 112/ VDE 0303 part 1** on specimens made specifically for this purpose with test solution A. The proof-tracking index (PTI) is also used to identify the tracking characteristics of materials. A material may be included in one of the four groups given above on the basis that its PTI, established by the method of IEC 112 using solution A, is equal to or greater than the lower value specified for the Insulation group.

Current carrying capacity of terminal block (DIN EN 60947-7-1/VDE 0611part1: 2000-05)

The data given below is for unprepared conductor ends without ferrules. The rated current for Terminal Blocks with specific functions such as Fuse type, Relays, Terminal Blocks incorporating electronic components is to be specified by manufacturer.

Rated Cross Section (sq.mm)	0.2	0.5	0.75	1	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Test current (A)	4	6	9	13.5	17.5	24	32	41	57	76	101	125	150	192	232	269	309	353	415	520

Current Rating with two wire/conductors

The total current of the two wires / conductors should not exceed the continuous current rating of the Terminal Block. The continuous current rating is the maximum current the terminal block can conduct without a temperature rise of 45 K (as per EN standard) and 300C (as per UL / CSA standard).

Note

For PE-Terminals only one conductor should be connected per clamping part, in accordance with installation requirement.

TERMINAL BLOCK TECHNICAL INFORMATION

TERMINAL BLOCK MATERIAL

Polyamide 6.6

Engineering Thermoplastic Polyamide 6.6 has excellent electrical, mechanical and chemical characteristics, even at temperature as high as 105°C. This insulating material has high mechanical strength - it is unbreakable. Its resistance to tracking is similar to Melamine. The Polyamide 6.6 moulded housing absorbs humidity from its surroundings. However, it does not crystallise water in the plastic itself as is the case in thermosetting plastic. The H_20 groups combine within the molecular structure.
Thus moulded plastic housing becomes fracture proof and unbreakable even in sub zero temperature conditions.
Polyamide 6.6 is difficult to ignite, self-extinguishing, burns only as long as there is a supporting flame and is rated V2 according to UL 94. It has excellent resistance to micro organisms, bacteria, enzymes and termites. Good ageing resistance and insensitivity to ultra violet light makes it suitable for tropical and open air applications. Polyamide 6.6 has excellent resistance to fuels, oils, fats and most common solvents like aliphatic and aromatic carbohydrates, ketons and alcohols.

Typical properties of insulation material

Property	Unit	Thermoset High Grade Melamine	Engineering Thermoplastic Polyamide 6.6
Specific Gravity	-	1.5	1.2 - 1.15
Upper Temperature Limit	^{0}C	130	105
Lower Temperature Limit	^{0}C	- 55	- 50
Volume Resistivity	Ohm cm	10^{11}	10^{12}
Surface Resistivity	Ohm	10^{10}	10^{10}
Dielectric Strength	KV/cm	100	400
Trophical Resistance	-	Good	Good
Flammability	Grade	V0	V2 / V0#
Flexibility	-	-	Excellent

V0 available on request

CE Marking

The CE marking is, in particular, an indication that the products comply with the essential requirements of applicable directives and that the products have been subject to a conformity assessment procedure provided for in the directives. CE marking ensures free trading within Europe. elecDirect.com terminal blocks are CE marked and the products comply to Low Voltage Directive, 73/23/EEC,

At elecDirect.com the Product Development cycle, production & assembly of components and supply are all controlled by an **ISO 9001:2000** Quality Management System.

elecDirect.com Products not only fulfill Customers needs and requirements of standards and specifications but also surpass the same.