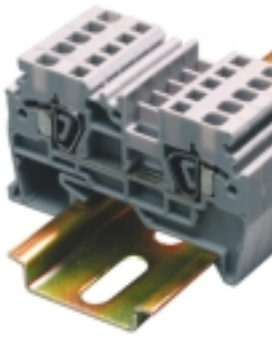
FEED-THROUGH Spring Clamp Terminals

These terminal blocks offer a time saving alternative to the popular screw clamp connection. They can be mounted on 35 mm DIN rails. Insulated push-in type jumpers offer a quick and shock proof solution for most cross-connection applications.

MULTI-CONNECTION Spring Clamp Terminals

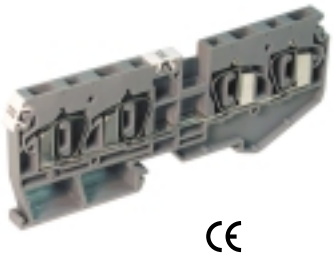
Altech Multiple connection Spring Clamp terminals offer a reliable solution for problems posed by multiple voltage connections. The terminal eliminates conventional method of cross connection / looping, saving additional space.

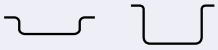
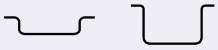
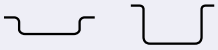
The terminals provide possibility of further multiplication of connections through bridging. The Multiple Connection Terminal Blocks can even be bridged to Standard Feed Through Spring Clamp Terminal Block of respective wire size (CSC2.5T / CSC4T).



	CSC2.5T	CSC4T	CSC6T
			
Terminal Width	5 mm	6 mm	8 mm
Height x Length	36 x 58 mm	42 x 65 mm	45 x 72 mm
Stripping Length	9 mm	9 mm	12 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
Type of Connection	2 spring clamps & 2 slots for interconnection	2 spring clamps & 2 slots for interconnection	2 spring clamps & 2 slots for interconnection
Approvals	c SA us, VDE, c UL us	c SA us, VDE, c UL us	c SA us, VDE, c UL us
Wire Range	22-14 AWG / 0.5-2.5 sq.mm / 22-14 AWG	22-12AWG / 0.5-4 sq.mm / 22-12 AWG	22-8AWG / 0.5-8sq.mm / 22-8AWG
Voltage Rating	600 V / 750 V / 600 V	600 V / 750 V / 600 V	600 V / 750 V / 600 V
Current Rating	20 A / 24 A / 20 A	25 A / 32 A / 25 A	50 A / 41 A / 50 A

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block	CSC2.5T	100	CSC4T	100	CSC6T	50
End Plate	EPCSC2.5T	50	EPCSC4T	50	EPCSC6T	50
Partition Plate	PPCSC2.5T	50	PPCSC4T	50	PPCSC6T	50
DIN Rail *for ordering information refer to page 58*						
End Stop *for ordering information refer to page 58*	CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50
Jumpers Adjacent Alternate	CA801/1 CA801/1-3	100 100	CA801/2 CA801/2-3	100 100	CA801/3 CA801/3-3	100 100
Push in type wire jumper	CA901/1	100	CA901/2	100		
Marking Tags (MT Type)	MT5	100	MT6	100	MT8	100
Continuous 90mm strip	MT9F	10	MT9F	10	MT9F	10

CSC2.5T1-2	CSC2.5T2-2	CSC4T1-2	CSC4T2-2
			
5 mm	5 mm	6 mm	6 mm
36 x 74 mm	36 x 89.8 mm	42 x 84.6 mm	42 x 105 mm
9 mm	9 mm	9 mm	9 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
3 spring clamps & 2 slots for interconnection	4 spring clamps & 2 slots for interconnection	3 spring clamps & 2 slots for interconnection	4 spring clamps & 2 slots for interconnection
IEC / cULus	IEC / cULus	IEC / cULus	IEC / cULus
0.5-2.5 sq.mm. / 22-14 AWG	0.5-2.5 sq.mm. / 22-14 AWG	0.5-4 sq.mm. / 22-12 AWG	0.5-4 sq.mm. / 22-12 AWG
750 V / 600 V	750 V / 600 V	750 V / 600 V	750 V / 600 V
24 A / 20 A	24 A / 20 A	32 A / 25 A	32 A / 25 A

Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
CSC2.5T1-2	100	CSC2.5T2-2	50	CSC4T1-2	50	CSC4T2-2	50
EPCSC2.5T1-2	50	EPCSC2.5T2-2	50	EPCSC4T1-2	50	EPCSC4T2-2	50
							
CA702	50	CA702	50	CA702	50	CA702	50
CA802	50	CA802	50	CA802	50	CA802	50
CA801/1	100	CA801/1	100	CA801/2	100	CA801/2	100
CA801/1-3	100	CA801/1-3	100	CA801/2-3	100	CA801/2-3	100
CA901/1	100	CA901/1	100	CA901/2	100	CA901/2	100
MT5	100	MT5	100	MT6	100	MT6	100
MT9F	10	MT9F	10	MT9F	10	MT9F	10

PANEL MOUNT SPRING CLAMP TERMINALS

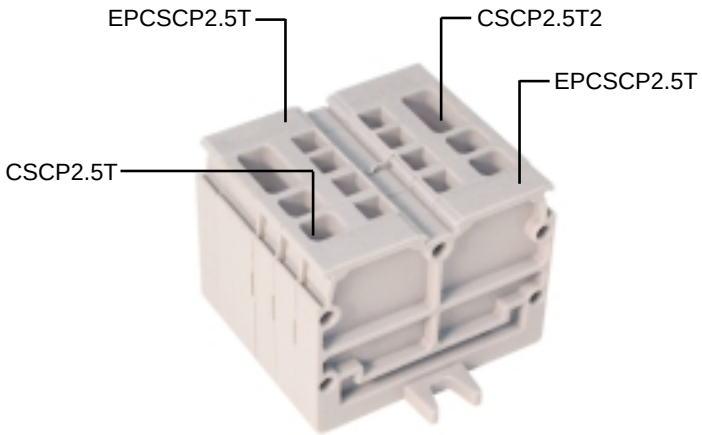
Altech “screwless” spring clamp panel mount terminal blocks are an excellent solution for extremely compact wiring applications. These terminal blocks are “add-on” type and can be stacked to form multi-pole assemblies. The stacked assembly is fitted with mounting end sections on both ends for easy installation on to the panel.

The terminal has marker holding recessess on three sides to accept marking tags. Cross connection can be achieved with the aid of insulated jumpers.

The CSCP2.5T2 panel mount terminal blocks have two connection points on each side. The terminals provide possibility of further multiplication through jumpering.

	CSCP2.5T	CSCP2.5T2
		
Terminal Width	5 mm	10 mm
Height x Length	27 x 35 mm	27 x 35 mm
Stripping Length	9 mm	9 mm
Insulation Material	Polyamide 6.6	Polyamide 6.6
Type of Connection	2 spring clamp connections	4 spring clamp connections
Approvals	IEC, c UL us	IEC, c UL us
Wire Range	0.5-2.5 sq.mm / 22-14AWG	0.5-2.5 sq.mm / 22-14AWG
Voltage Rating	750 V / 600 V	750 V / 600 V
Current Rating	24 A / 20 A	24 A / 20 A

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Terminal Block	CSCP2.5T	100	CSCP2.5T2	100
End Section (set of left and right)	EPCSCP2.5T	50	EPCSCP2.5T	50
Insulated Jumper (2 pole)	CA803/1	100	CA803/1	100
Marking Tags (MT Type)	MT4	100	MT3	100



NEW PRODUCTS AVAILABLE IN 2003

CSCGT4T

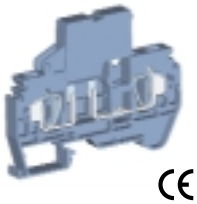
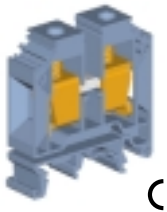
Altech spring clamp ground block snaps on the DIN rail, making a reliable electrical connection between the DIN rail and the terminal block.

CSCFL4T

Altech spring clamp fuse blocks provide protection in electrical circuits. These fuse blocks accept standard Ø5x20 and Ø5x25 mm fuses.

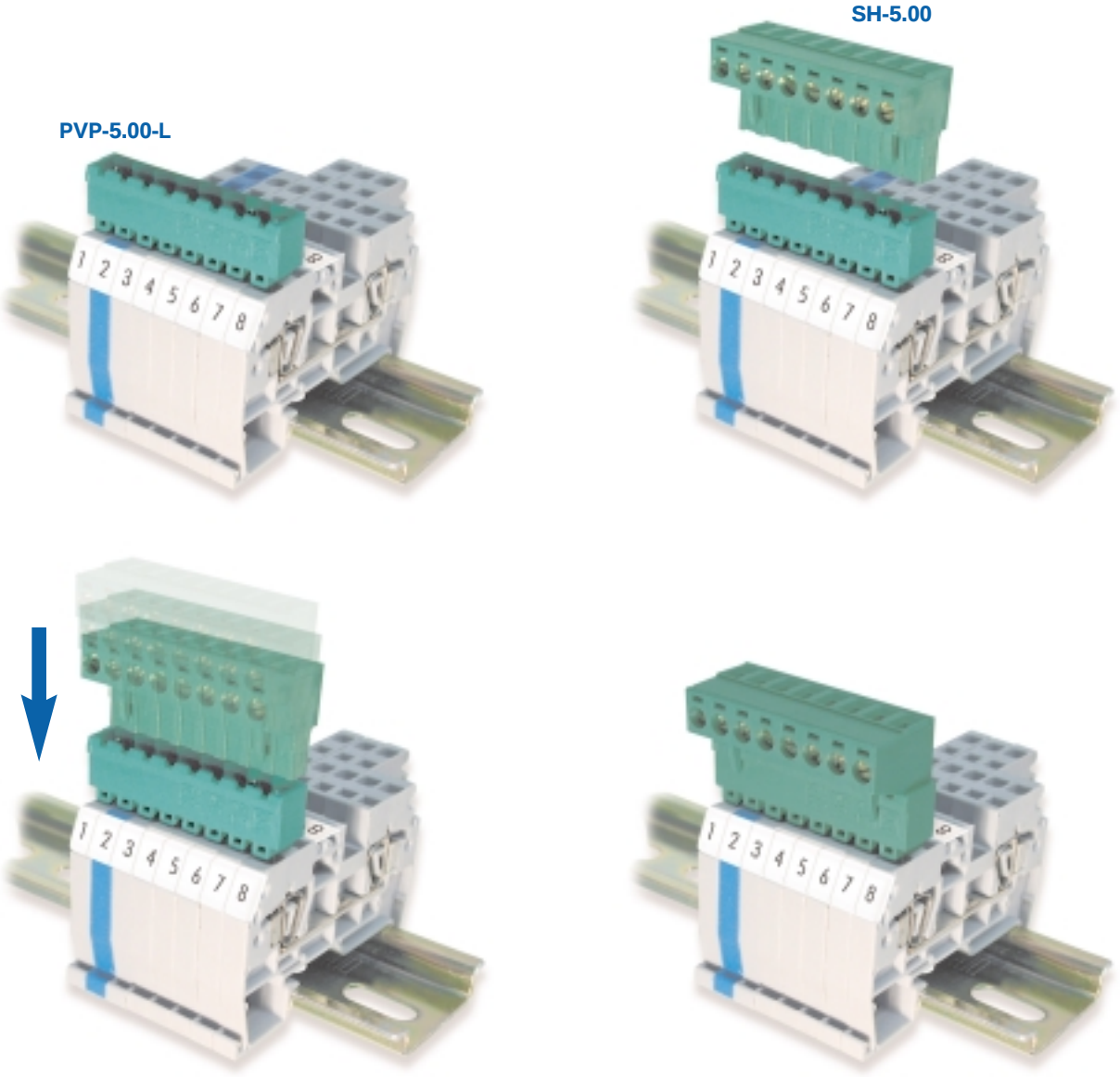
CTS16U

CTS16U is a standard feed-through terminal block for 12-4 AWG wires.

	CSCGT4T		CSCFL4T		CST16U	
						
Terminal Width	6 mm		8 mm		12 mm	
Stripping Length	9 mm		9 mm		18 mm	
Insulation Material	Polyamide 6.6		Polyamide 6.6		Polyamide 6.6	
Type of Connection	2 spring clamps		2 spring clamps & 2 slots for interconnection		2 screw clamps & 1 tapped hole for cross connection	
Ratings	IEC	c UL us	IEC	c UL us	IEC	c UL us
Wire Range	0.2-4 sq.mm	22-12 AWG	0.2-4 sq.mm	22-12 AWG	6-16 sq.mm	12-4 AWG
Voltage Rating	750 V	600 V	750 V	600 V	750 V	600 V
Current Rating	32 A	–	6.3 A	6.3 A	82 A	85 A
	Cat. No.	**Std. Pk.**	**Cat. No.**	**Std. Pk.**	**Cat. No.**	**Std. Pk.**
Terminal Block	CSCGT4T	100	CSCFL4T	100	CTS16U	50
End Plate	EPCSCGT4T	50	EPCSCFL4T	50	EP25U	50
Partition Plate	–		–		PP25U	50
DIN Rail *for ordering information refer to page 58*						
End Stop	CA702 CA802	50 50	CA702 CA802	50 50	CA702 CA802	50 50
Marking Tags (MT Type)	MT6	100	MT8	100	MT12	100
Continuous 90mm strip	MT9F	10	MT9F	10	MT9F	10

PVP-5.00-L

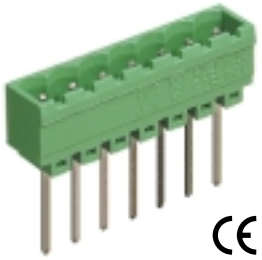
SH-5.00



The PVP-5.00-L header and the SH-5.00 plug can be used in conjunction with the CSC2.5T, CSC2.5T1-2 or CSC2.5T2-2 terminal blocks to build pluggable interfaces. The operating tool CAOPT is used to insert the headers in the spring clamp blocks. The plug can now be snapped into the header for quick and reliable wiring. MT5 and MT9F marking tags can be used for circuit identification.

PVP-5.00-L

Pin Spacing: 5.00mm
Orientation: Vertical Header
Clamp Type: –
Design: Single Mold - Closed End



ELECTRICAL

	Current	Voltage	Wire Range
UL	12A	300V	–
IEC	16A	450V	–

INSTALLATION DATA

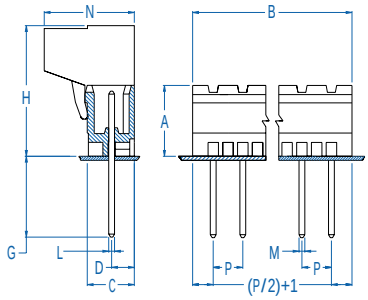
Screw Size	–	**PCB Hole Size**	1.5mm
Torque	–	**Stripping Lgth.**	–

MATERIAL

Body	PA6.8	**Screw**	–
Flammability Class	UL94V-0	**Terminal**	Tin Plated Brass
Temperature Limit	105˚C UL 125˚C IEC	**Clamp**	–
Color	Green		

No. Poles	Cat. No.	Length (B) (mm)	Std. Pk.
2	PVP02-5.00-L	12.0	100
3	PVP03-5.00-L	17.0	100
4	PVP04-5.00-L	22.0	50
5	PVP05-5.00-L	27.0	50
6	PVP06-5.00-L	32.0	50
7	PVP07-5.00-L	37.0	50
8	PVP08-5.00-L	42.0	50
9	PVP09-5.00-L	47.0	50
10	PVP10-5.00-L	52.0	50

Accessories		Cat. No.	Std. Pk.
Operating Tool	2 Pole	CAOPT/2	1
	5 Pole	CAOPT/5	1
	10 Pole	CAOPT/10	1



Dimensions

A	12.20 mm	I	–
B	*	J	–
C	8.10 mm	K	–
D	4.00 mm	L	1.00 mm
E	–	M	1.00 mm
F	–	N	15.50 mm
G	14.40 mm	O	–
H	23.15 mm	P	5.00 mm

SH-5.00

Pin Spacing: 5.00mm
Orientation: Horizontal Plug
Clamp Type: Screw Cage
Design: Single Mold

ELECTRICAL

	Current	Voltage	Wire Range
UL	12A	300V	30-14AWG
IEC	16A	450V	2.5mm² Stranded 4.0mm² Solid

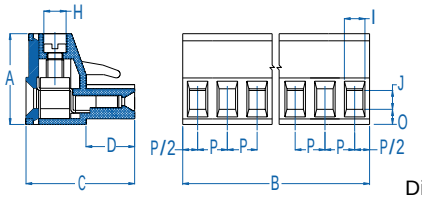
INSTALLATION DATA

Screw Size	M3	**PCB Hole Size**	–
Torque	0.5Nm (4.5 lbf-in.)	**Stripping Lgth.**	7.5mm

MATERIAL

Body	PA6.8	**Screw**	Galvanized Steel
Flammability Class	UL94V-0	**Terminal**	Nickel Plated Brass
Temperature Limit	105˚C UL 125˚C IEC	**Clamp**	Nickel Plated Brass
Color	Green		

No. Poles	Cat. No.	Length (B) (mm)	Std. Pk.
2	SH02-5.00	10.0	100
3	SH03-5.00	15.0	100
4	SH04-5.00	20.0	50
5	SH05-5.00	25.0	50
6	SH06-5.00	30.0	50
7	SH07-5.00	35.0	50
8	SH08-5.00	40.0	50
9	SH09-5.00	45.0	50
10	SH10-5.00	50.0	50



Dimensions

A	15.50 mm	I	2.80 mm
B	*	J	3.10 mm
C	19.15 mm	K	–
D	8.30 mm	L	–
E	–	M	–
F	–	N	–
G	–	O	2.70 mm
H	3.80 mm	P	5.00 mm