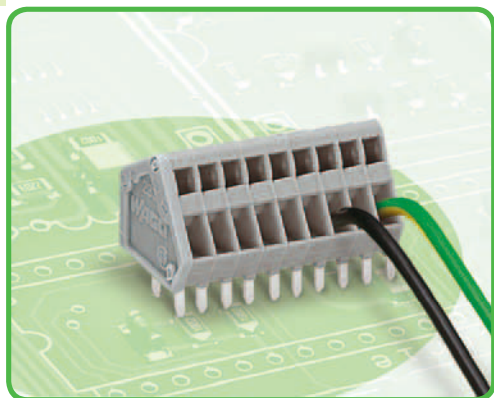


PCB Terminal Strips 0.5 mm² Pin Spacing 2.5 mm, 2.54 mm 233 Series



- Compact terminal strips with CAGE CLAMP® connection, screwdriver actuation parallel or perpendicular to conductor entry
- Double solder pins for high mechanical stability
- Custom color combinations
- For 233 Series with push-buttons, see page 89

Technical data:

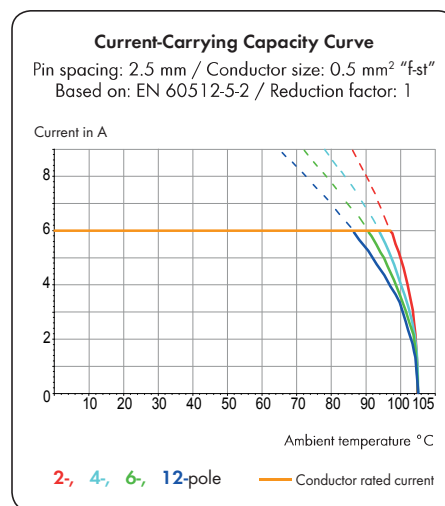
Pin Spacing	2.5 mm 0.098 in			2.54 mm 0.1 in		
	IEC/EN 60664-1			IEC/EN 60664-1		
Rating per	III	III	II	III	III	II
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Rated voltage	63 V	160 V	320 V	63 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV	2.5 kV
Nominal current	6 A	6 A	6 A	6 A	6 A	6 A
Approvals per	UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D
Rated voltage	150 V	-	-	150 V	-	-
Nominal current UL	4 A	-	-	4 A	-	-
Nominal current CSA	4 A	-	-	4 A	-	-

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 - 0.5 mm ² *
Conductor size: fine-stranded	0.08 - 0.5 mm ² *
Conductor size: fine-stranded	0.25 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 mm ² (with uninsulated ferrule)
AWG	28 - 20
Strip length	5 - 6 mm / 0.20 - 0.24 in
Conductor entry angle	30° to PCB
Solder pin: length/width	4 mm / 0.5 x 0.75 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{cu})
Contact plating	tin-plated



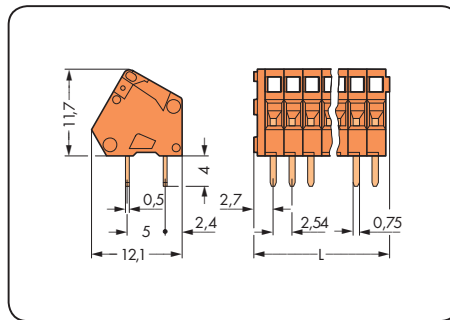
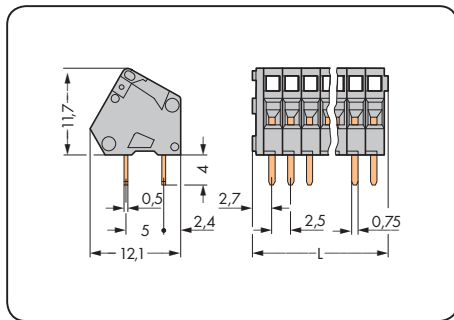
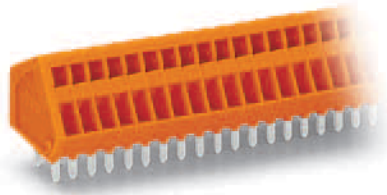
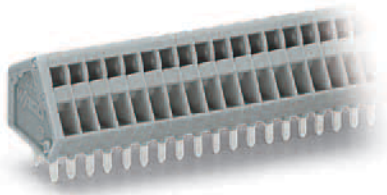
233 Series accessories:

Page:

Marking accessories	540 - 543
Operating tools	526 - 528

* Terminating 0.75 mm² / AWG 18 conductors is possible; however insulation diameter does not allow clamping units to be terminated in a row.

Pin spacing 2.5 mm / 0.098 in		Pin spacing 2.54 mm / 0.1 in	
0.08 – 0.5 mm ² 160 V/2.5 kV/2 6 A	AWG 28 – 20 150 V/4 A	0.08 – 0.5 mm ² 160 V/2.5 kV/2 6 A	AWG 28 – 20 150 V/4 A



L = (pole no. x pin spacing) + 2.3 mm

Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
Terminal strip, 2 solder pins/pole, gray			Terminal strip, 2 solder pins/pole, orange		
2	233-102	600 (6 x 100)	2	233-402	600 (6 x 100)
3	233-103	500 (4 x 125)	3	233-403	500 (4 x 125)
4	233-104	400 (4 x 100)	4	233-404	400 (4 x 100)
5	233-105	340 (4 x 85)	5	233-405	340 (4 x 85)
6	233-106	280 (4 x 70)	6	233-406	280 (4 x 70)
7	233-107	240 (4 x 60)	7	233-407	240 (4 x 60)
8	233-108	220 (4 x 55)	8	233-408	220 (4 x 55)
9	233-109	200 (4 x 50)	9	233-409	200 (4 x 50)
10	233-110	180 (4 x 45)	10	233-410	180 (4 x 45)
12	233-112	140 (4 x 35)	12	233-412	140 (4 x 35)
16	233-116	100 (4 x 25)	16	233-416	100 (4 x 25)
24	233-124	80 (4 x 20)	24	233-424	80 (4 x 20)
Item No. Suffix: Colored Terminal Strips (Production and prices depend on quantity required)			Item No. Suffix: Colored Terminal Strips (Production and prices depend on quantity required)		
● light green	...../000-017		● yellow	...../000-002	
● red	...../000-005		● black	...../000-004	
● green	...../000-023		● blue	...../000-006	
			● brown	...../000-014	
Ordering example: Terminal strip, 2.5 mm pin spacing, 8-pole, green: 233-108/000-023			Ordering example: Terminal strip, 2.54 mm pin spacing, 8-pole, brown: 233-408/000-014		