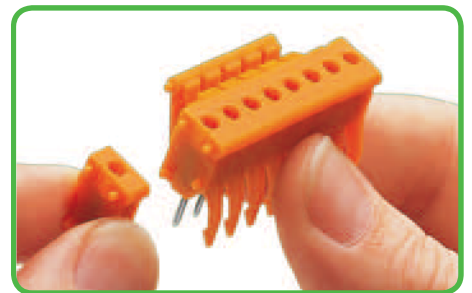


# Modular Test Plug Adapters for 255, 256 and 257 Series PCB Terminal Blocks

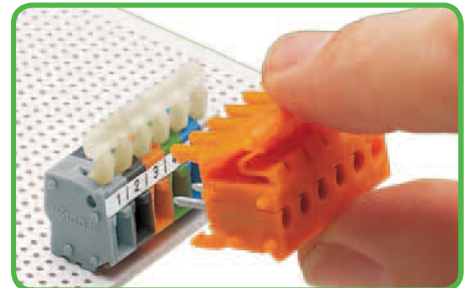
Pin spacing		Pin spacing	
<b>5 mm / 0.197 in</b>	320 V/2.5 kV/2 (II) 6 A	<b>5.08 mm / 0.2 in</b>	320 V/2.5 kV/2 (II) 6 A
<b>7.5 mm / 0.295 in</b>	630 V/ 4 kV/2 (II) 6 A	<b>7.62 mm / 0.3 in</b>	630 V/ 4 kV/2 (II) 6 A
<b>10 mm / 0.394 in</b>	1000 V/ 6 kV/2 (II) 6 A	<b>10.16 mm / 0.4 in</b>	1000 V/ 6 kV/2 (II) 6 A



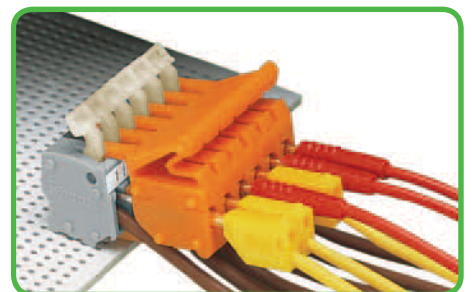
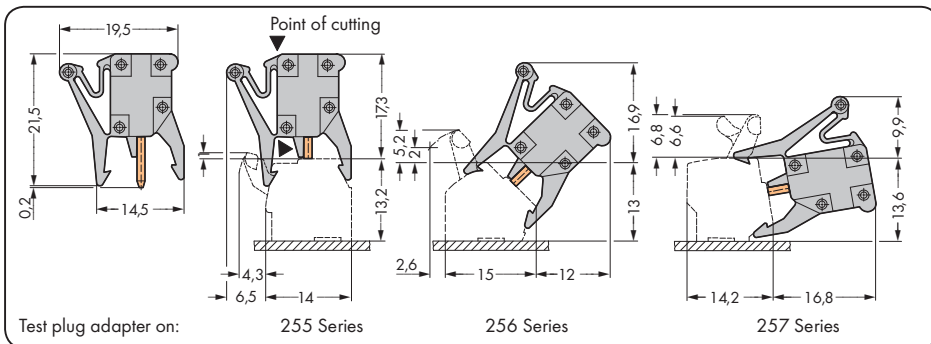
Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>Test plug adapter,</b> 1-pole, modular, socket for Ø 2 mm and Ø 2.3 mm test plugs			<b>Test plug adapter,</b> 1-pole, modular, socket for Ø 2 mm and Ø 2.3 mm test plugs		
<b>Pin spacing 5 mm / 0.197 in</b>			<b>Pin spacing 5.08 mm / 0.2 in</b>		
● gray	<b>249-110</b>	100 (4 x 25)	● orange	<b>249-111</b>	100 (4 x 25)
<b>Pin spacing 7.5 mm / 0.295 in</b>			<b>Pin spacing 7.62 mm / 0.3 in</b>		
● gray	<b>249-112</b>	100 (4 x 25)	● orange	<b>249-113</b>	100 (4 x 25)
<b>Pin spacing 10 mm / 0.394 in</b>			<b>Pin spacing 10.16 mm / 0.4 in</b>		
● gray	<b>249-114</b>	100 (4 x 25)	● orange	<b>249-115</b>	100 (4 x 25)
<b>Accessories</b>			<b>Item No.</b>		<b>Page:</b>
Test plug, with 500 mm cable, Ø 2.3 mm, yellow			<b>210-137</b>		502
Test plug, with 500 mm cable, Ø 2 mm, red			<b>210-136</b>		502



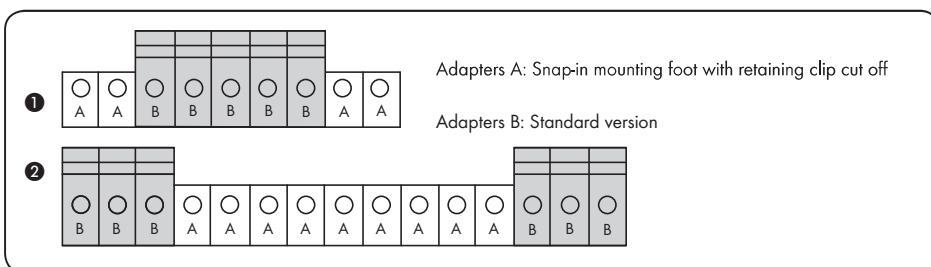
Assembling a multipole test plug adapter.



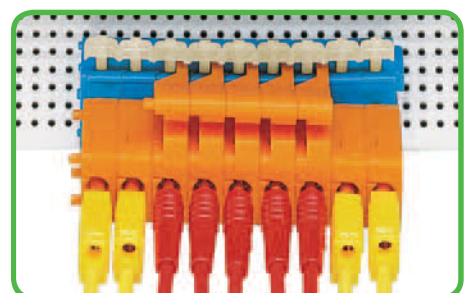
Inserting a test plug adapter into a terminal strip.



Testing terminal blocks with terminated conductors.



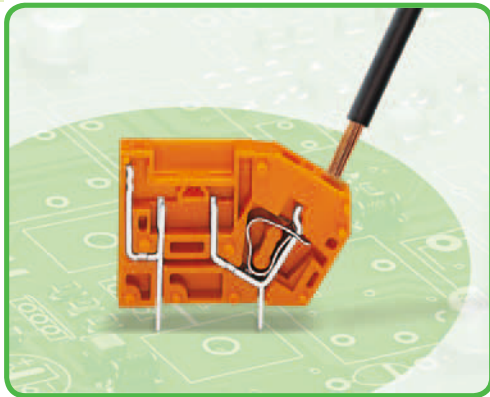
- For lengths longer than 7 poles, the feet and retaining clip should be cut off!
- Adapters with mounting foot cut off assembled on both ends (7 to 9 poles)
  - Adapters with mounting foot cut off in center position (10 to 15 poles)



9-pole test plug adapter,  
- external mounting feet with retaining clip cut off.

# Modular PCB Fuse Terminal Blocks 2.5 mm<sup>2</sup> Pin Spacing 5.08 mm

## 742 Series



- Modular terminal blocks with screwdriver-actuated CAGE CLAMP®
- Quick, easy replacement of mini-automotive blade-style fuses in the event of a fault
- Test sockets on both sides of knife disconnect for Ø 2.0 mm or Ø 2.3 mm test plugs
- Protection against direct contact is required for voltages above 42 V
- 2 and 3-conductor terminal blocks for potential distribution independent of PCB

### Technical data:

Pin Spacing	1-conductor 5.08 mm / 0.2 in			2-conductor 5.08 mm / 0.2 in			3-conductor 5.08 mm / 0.2 in		
	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Rating per	III	III	II	III	III	II	III	III	II
Overtoltage category	3	2	2	3	2	2	3	2	2
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	320 V	320 V	630 V	320 V	320 V	630 V	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV
Nominal current in indiv. arrangement	15 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A
Nominal current in block arrangement	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A
Approvals per	UL/CSA			UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Nominal current UL	10 A	-	10 A	10 A	-	10 A	10 A	-	10 A
Nominal current CSA	16 A	-	10 A	10 A	-	10 A	10 A	-	10 A

### Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 - 2.5 mm <sup>2</sup>
Conductor size: fine-stranded	0.08 - 2.5 mm <sup>2</sup>
Conductor size: fine-stranded	0.25 - 1.5 mm <sup>2</sup> (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 1.5 mm <sup>2</sup> (with uninsulated ferrule)
AWG	28 - 12 (12: THHN, THWN)
Strip length	8 - 9 mm / 0.31 - 0.35 in (for 1-conductor terminal blocks)
Strip length	6 - 7 mm / 0.24 - 0.28 in (for 2- and 3-conductor terminal blocks)
Conductor entry angle	60° to PCB (for 1-conductor terminal blocks)
Conductor entry angle	90° to PCB (for 2- and 3-conductor terminal blocks)
Solder pin: length/width	4 mm / 1 x 0.8 mm
Solder pin: drilled hole diameter	1.4 <sup>+0.05</sup> 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 <sub>cu</sub> )
Contact plating	tin-plated

### 742 Series accessories:

### Page:

Marking accessories	540 - 543
Operating tools	526 - 528
Test plugs	538
Blade-type fuse cartridges based on DIN 72581-3f	
Example supplier: <a href="http://www.littelfuse.de">www.littelfuse.de</a>	

Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is max. 80% of their nominal current according to DIN 72581 part 3 (with an ambient temperature of 23°C). Selecting the correct fuse cartridge is important for the product safety of the devices and the service life/reliability of the fuses. Fuse cartridges will only operate perfectly as protection components (rated break point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards). Depending on the application requirements (product safety), the fuse in the device to be protected must generally be tested both under normal and faulty operating conditions.