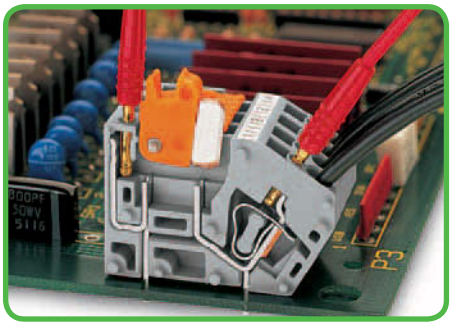
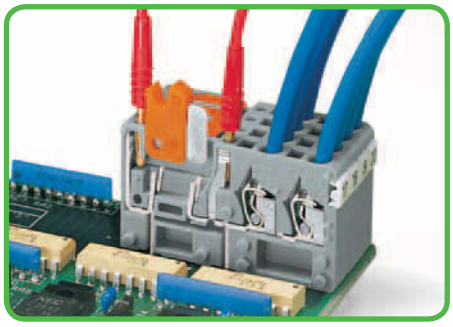
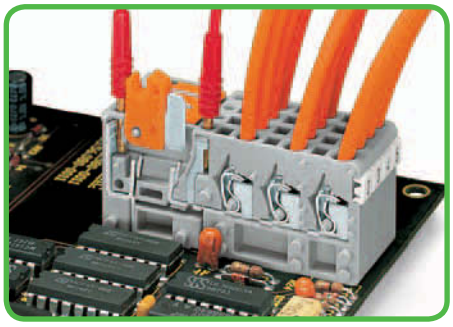
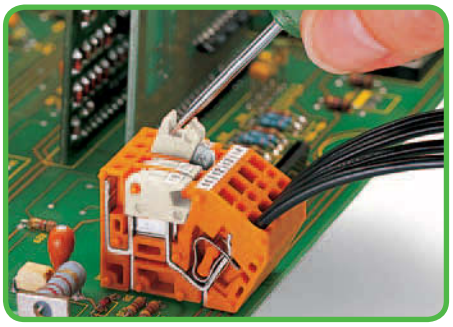
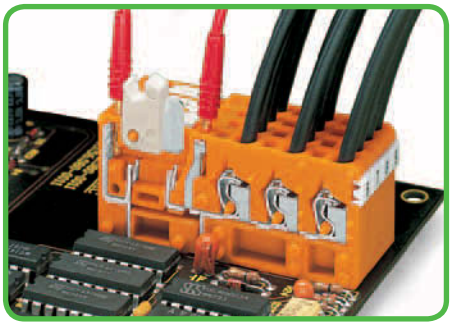
Description and Handling
742 Series

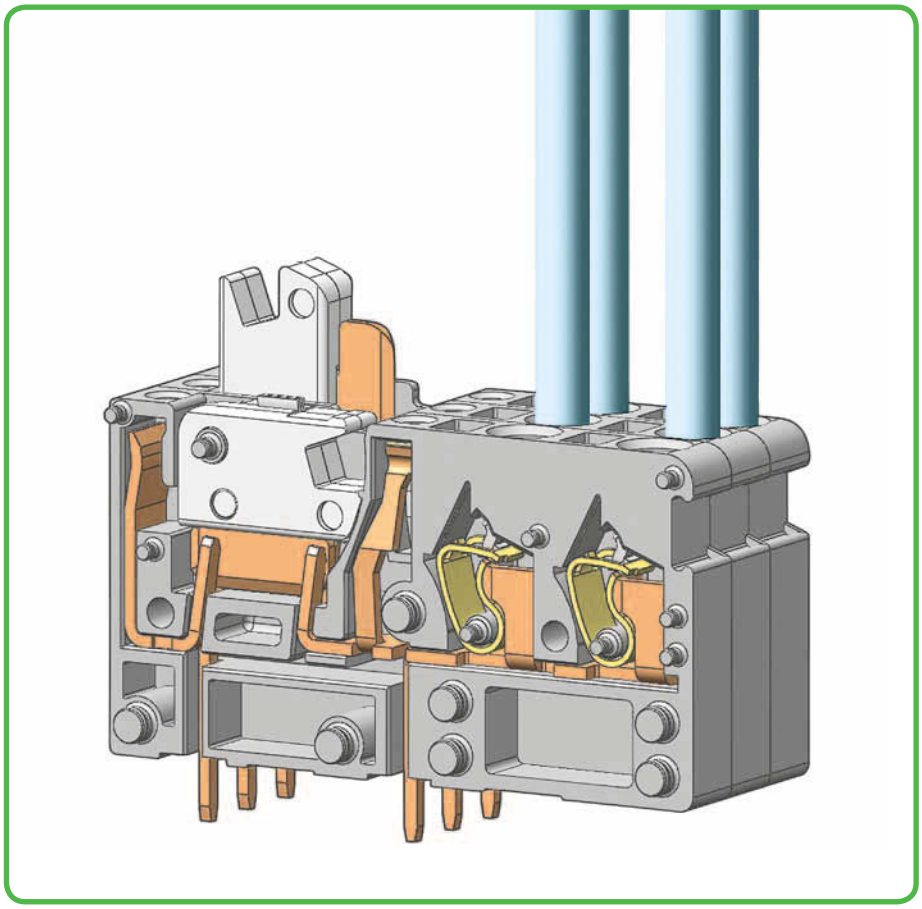
Testing and measurement of all disconnect terminal block types via Ø 2 mm or Ø 2.3 mm test plugs.

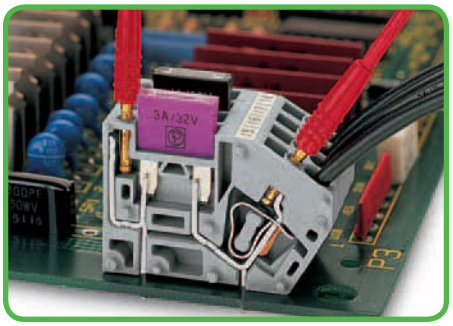
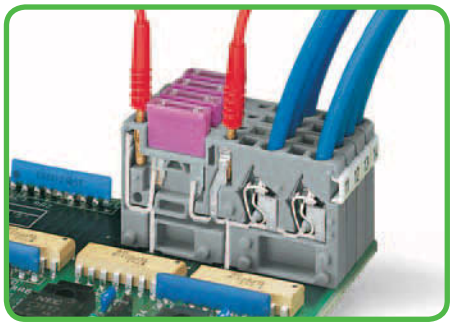
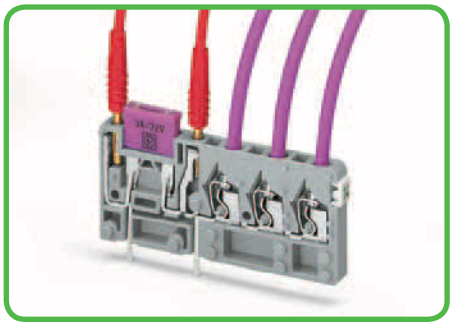


Opening knife disconnect.



Distributing potentials via 3-conductor terminal blocks.



Testing all fuse terminal block types via Ø 2 mm or Ø 2.3 mm test plugs.

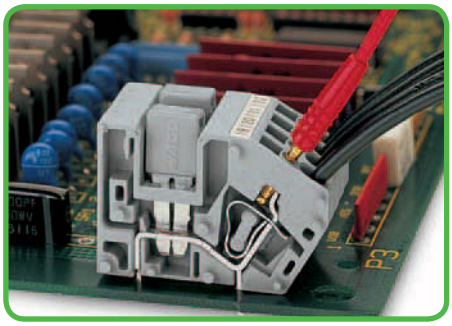
CAGE CLAMP® clamps the following copper conductors:*

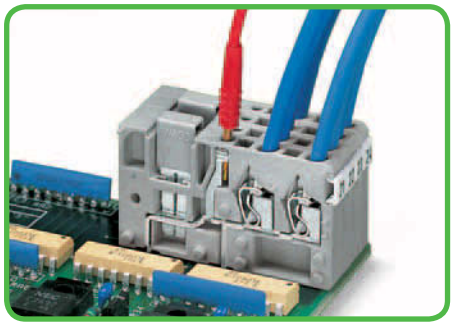
solid

stranded

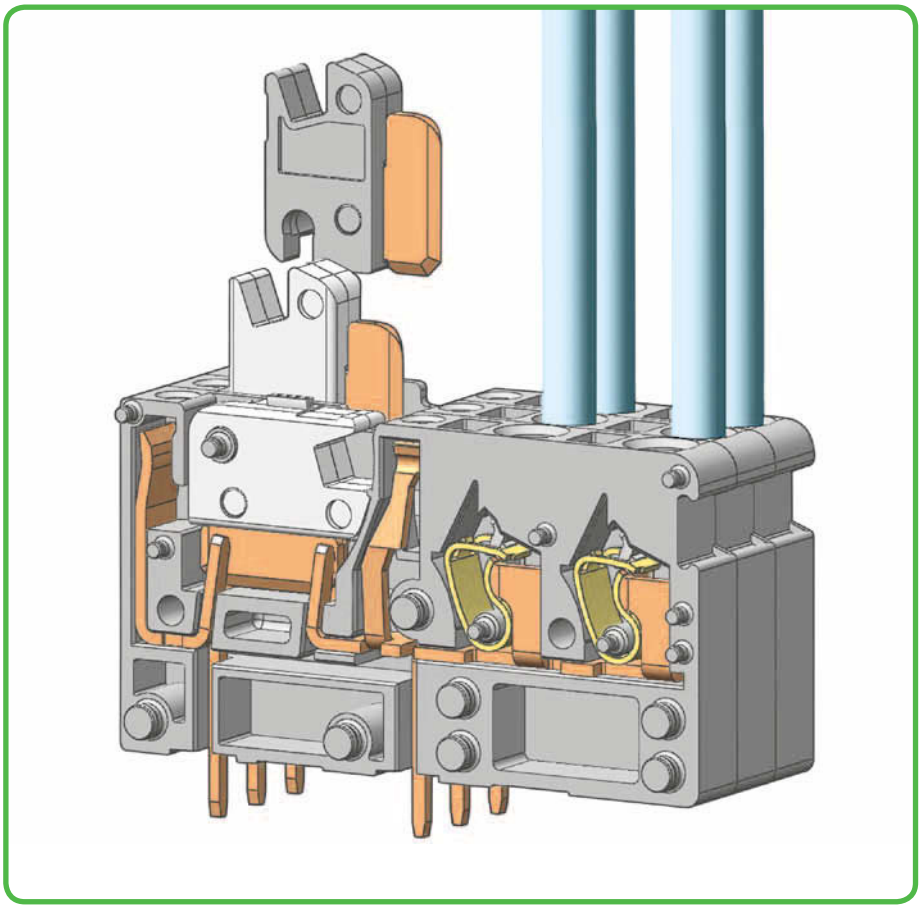
fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 11.

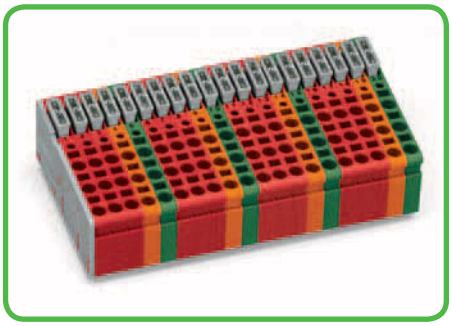




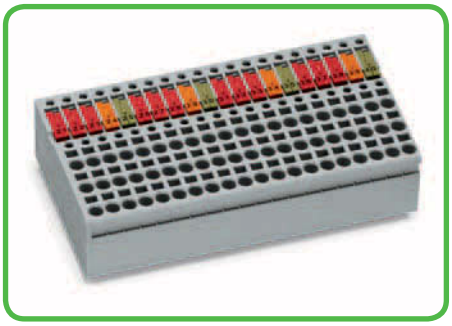
Testing all terminal block types via Ø 2 mm or Ø 2.3 mm test plugs.



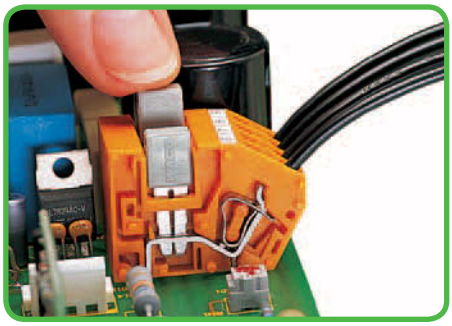
For disconnect terminal blocks with removable knife disconnect, please contact factory.



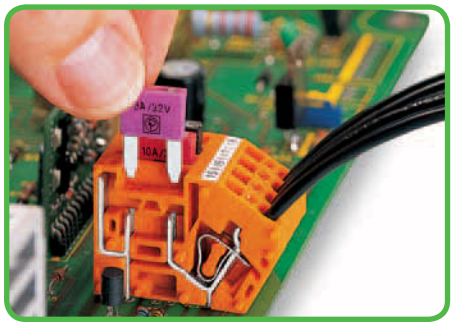
Mixed-color terminal strips available upon request.



Mixed-color knife disconnect/test terminal strips available upon request.



Commoning with adjacent jumpers. Push jumper down until fully inserted!

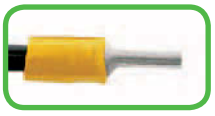


Inserting fuse.

For custom terminal strips, please contact factory.

fine-stranded, tip-bonded

fine-stranded with crimped ferrules (gas-tight)



fine-stranded with crimped pin terminal (gas-tight)

Modular PCB Disconnect Terminal Blocks for Test and Measurement 2.5 mm²
Pin Spacing 5 mm
742 Series

- Modular terminal blocks with screwdriver-actuated CAGE CLAMP®
- Power circuit disconnection via knife disconnect, e.g., for regular testing and measuring
- Test sockets on both sides of knife disconnect for 2.0 mm or Ø 2.3 mm test plugs
- 2- and 3-conductor terminal blocks for distributing potentials independently of PCB
- Versions with removable knife disconnects available upon request

Technical data:

Pin Spacing	1-conductor 5 mm / 0.197 in			2-conductor 5 mm / 0.197 in			3-conductor 5 mm / 0.197 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
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	16 A	16 A	16 A	16 A	16 A	16 A	16 A	16 A	16 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 mm²	
Conductor size: fine-stranded	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.25 – 1.5 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm²	(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	(with 1-conductor terminal blocks)
Conductor entry angle	90° to PCB	(with 2- and 3-conductor terminal blocks)
Solder pin: length/width	4 mm / 1 x 0.8 mm	
Solder pin: drilled hole diameter	$1.4^{+0.05}$ mm	

Material data:

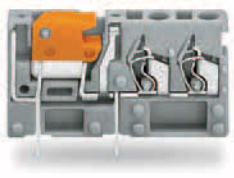
Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	–60°C / +105°C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated

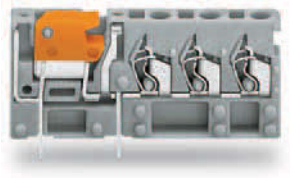
742 Series accessories:

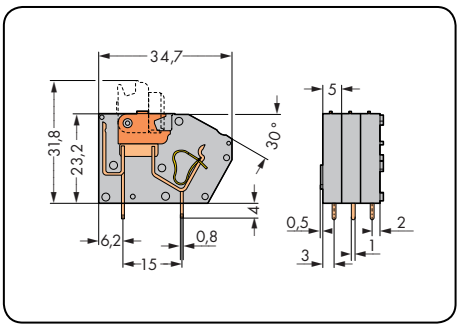
	Page:
Marking accessories	540 – 543
Operating tools	526 – 528
Test plugs	538

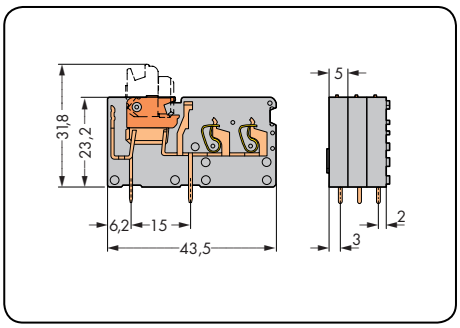
Modular PCB Disconnect Terminal Blocks for Test and Measurement 2.5 mm²

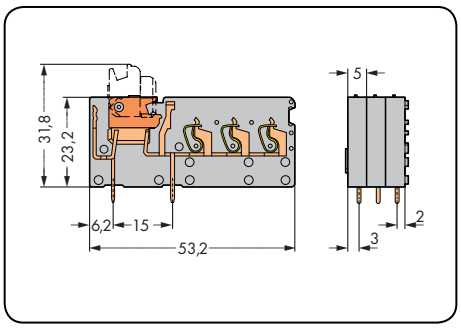
1-conductor Pin spacing 5 mm / 0.197 in		2-conductor Pin spacing 5 mm / 0.197 in		3-conductor Pin spacing 5 mm / 0.197 in	
0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A











Color	Item No.	Pack. Unit
1-conductor, modular disconnect terminal block for test and measurement, 2 solder pins/pole, knife disconnect, orange		
gray	**742-101**	384 (4 x 96)

Color	Item No.	Pack. Unit
2-conductor, modular disconnect terminal block for test and measurement, 2 solder pins/pole, knife disconnect,, orange		
gray	**742-151**	200 (4 x 50)

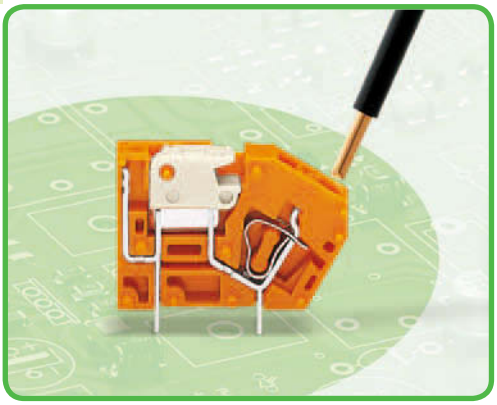
Color	Item No.	Pack. Unit
3-conductor, modular disconnect terminal block for test and measurement, 2 solder pins/pole, knife disconnect, orange		
gray	**742-153**	100 (2 x 50)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, gray		
	**742-100**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, gray		
	**742-150**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, gray		
	**742-152**	300 (3 x 100)

Modular PCB Disconnect Terminal Blocks for Test and Measurement 2.5 mm²
Pin Spacing 5.08 mm
742 Series



- Modular terminal blocks with screwdriver-actuated CAGE CLAMP®
- Power circuit disconnection via knife disconnect, e.g., for regular testing and measuring
- Test sockets on both sides of knife disconnect for 2.0 mm or Ø 2.3 mm test plugs
- 2- and 3-conductor terminal blocks for distributing potentials independently of PCB
- Versions with removable knife disconnects available on request

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		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
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	16 A	16 A	16 A	16 A	16 A	16 A	16 A	16 A	16 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 mm²
Conductor size: fine-stranded	0.08 – 2.5 mm²
Conductor size: fine-stranded	0.25 – 1.5 mm² (with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm² (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 (with 1-conductor terminal blocks)
Conductor entry angle	90° to PCB (with 2- and 3-conductor terminal blocks)
Solder pin: length/width	4 mm /1 x 0.8 mm
Solder pin: drilled hole diameter	$1.4^{+0.05}$ 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

742 Series accessories:

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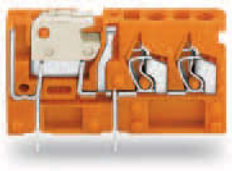
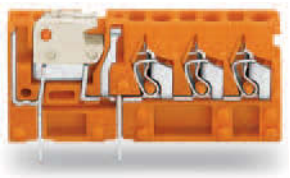
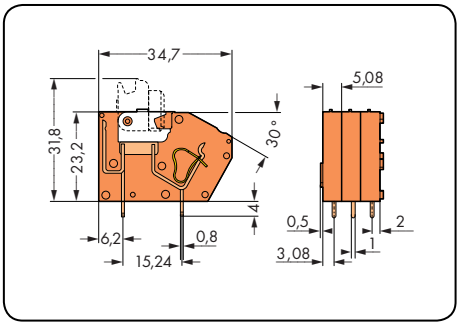
Test plugs	538

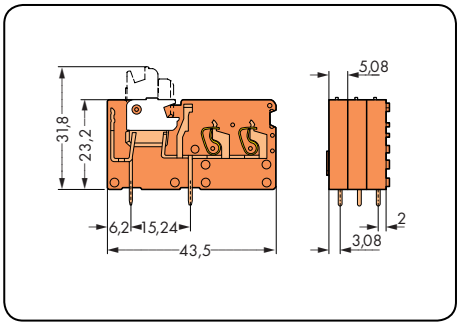
Modular PCB Disconnect Terminal Blocks for Test and Measurement 2.5 mm²

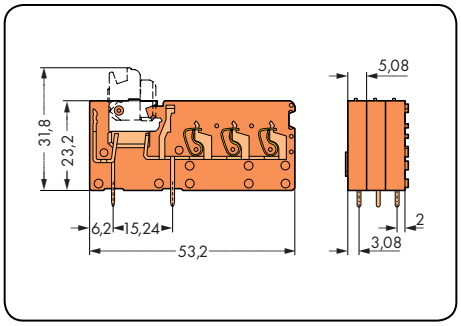
1-conductor Pin spacing 5.08 mm / 0.2 in		2-conductor Pin spacing 5.08 mm / 0.2 in		3-conductor Pin spacing 5.08 mm / 0.2 in	
0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A











Color	Item No.	Pack. Unit
1-conductor, modular disconnect terminal block for test and measurement, 2 solder pins/pole, knife disconnect, white		
orange	**742-106**	384 (4 x 96)

Color	Item No.	Pack. Unit
2-conductor, modular disconnect terminal block for test and measurement, 2 solder pins/pole, knife disconnect, white		
orange	**742-156**	200 (4 x 50)

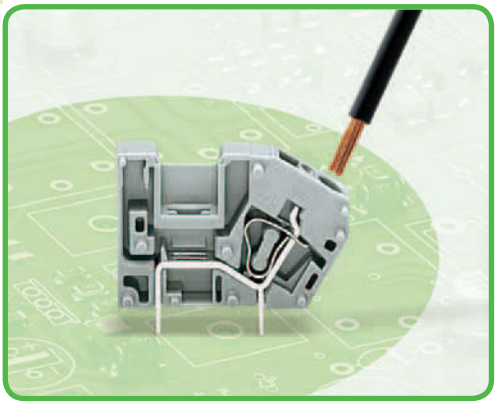
Color	Item No.	Pack. Unit
3-conductor, modular disconnect terminal block for test and measurement, 2 solder pins/pole, knife disconnect, white		
orange	**742-158**	100 (2 x 50)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-600**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-650**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-651**	300 (3 x 100)

Modular PCB Terminal Blocks with Potential Commoning 2.5 mm²
Pin Spacing 5 mm
742 Series



- Modular terminal blocks with screwdriver-actuated CAGE CLAMP®
- Adjacent jumpers for multiplying and distributing potentials
- Disconnect and fuse terminal blocks can be combined to form complex function assemblies
- Test socket for Ø 2.0 mm and Ø 2.3 mm test plugs

Technical data:

Pin Spacing	1-conductor 5 mm / 0.197 in			2-conductor 5 mm / 0.197 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	250 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	
Nominal current	16 A	16 A	16 A	16 A	16 A	16 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	300 V	–	300 V	300 V	–	300 V	
Nominal current UL	10 A	–	10 A	10 A	–	10 A	
Nominal current CSA	16 A	–	10 A	10 A	–	10 A	

Conductor and solder pin data:

Connection technology	CAGE CLAMP®	
Conductor size: solid	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.25 – 1.5 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm²	(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-conductor terminal blocks)
Conductor entry angle	60° to PCB	(for 1-conductor terminal blocks)
Conductor entry angle	90° to PCB	(for 2-conductor terminal blocks)
Solder pin: length/width	4 mm / 1 x 0.8 mm	
Solder pin: drilled hole diameter	$1.4^{+0.05}$ 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

742 Series accessories:

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Marking accessories	540 – 543
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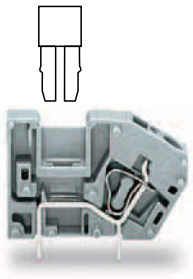
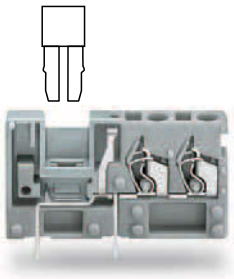
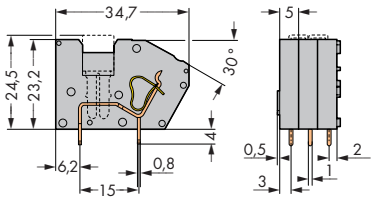
Test plugs	538

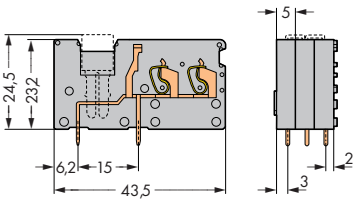
Modular PCB Terminal Blocks with Potential Commoning 2.5 mm²

1-conductor Pin spacing 5 mm / 0.197 in		2-conductor Pin spacing 5 mm / 0.197 in		
0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	









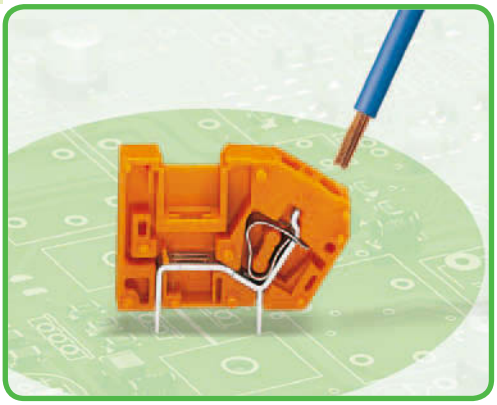
Color	Item No.	Pack. Unit
1-conductor, modular terminal block with potential commoning , 2 solder pins/pole		
gray	**742-121**	300
blue	**742-124**	300
green-yellow	**742-128**	300

Color	Item No.	Pack. Unit
2-conductor, modular terminal block with potential commoning, 2 solder pins/pole		
gray	**742-171**	200
blue	**742-174**	200
green-yellow	**742-178**	200

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick		
gray	**742-100**	300 (3 x 100)
blue	**742-400**	300 (3 x 100)
green-yellow	**742-800**	300 (3 x 100)
Adjacent jumper, insulated, I_N 24 A		
gray	**280-402**	200 (8 x 25)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick		
gray	**742-150**	300 (3 x 100)
blue	**742-450**	300 (3 x 100)
green-yellow	**742-850**	300 (3 x 100)

Modular PCB Terminal Blocks with Potential Commoning 2.5 mm²
Pin Spacing 5.08 mm
742 Series



- Modular terminal blocks with screwdriver-actuated CAGE CLAMP®
- Adjacent jumpers for multiplying and distributing potentials
- Disconnect and fuse terminal blocks can be combined to form complex function assemblies
- Test socket for Ø 2.0 mm and Ø 2.3 mm test plugs

Technical data:

Pin Spacing	1-conductor 5.08 mm / 0.2 in			2-conductor 5.08 mm / 0.2 in			
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			
Overvoltage category	III	III	II	III	III	II	
Pollution degree	3	2	2	3	2	2	
Rated voltage	250 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	
Nominal current	16 A	16 A	16 A	16 A	16 A	16 A	
Approvals per	UL/CSA			UL/CSA			
Use group UL 1059	B	C	D	B	C	D	
Rated voltage	300 V	–	300 V	300 V	–	300 V	
Nominal current UL	10 A	–	10 A	10 A	–	10 A	
Nominal current CSA	16 A	–	10 A	10 A	–	10 A	

Conductor and solder pin data:

Connection technology	CAGE CLAMP®	
Conductor size: solid	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.25 – 1.5 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm²	(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-conductor terminal blocks)
Conductor entry angle	60° to PCB	(for 1-conductor terminal blocks)
Conductor entry angle	90° to PCB	(for 2-conductor terminal blocks)
Solder pin: length/width	4 mm / 1 x 0.8 mm	
Solder pin: drilled hole diameter	$1.4^{+0.05}$ 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

742 Series accessories:

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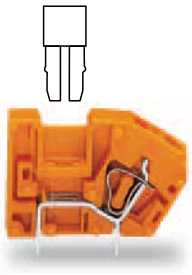
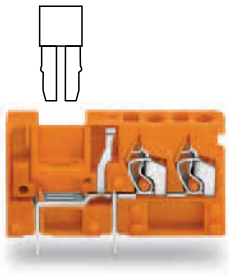
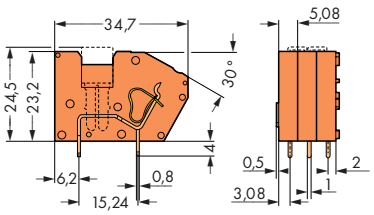
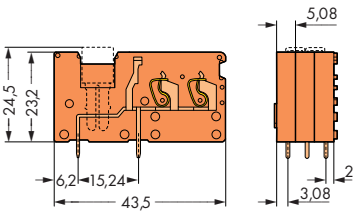
Modular PCB Terminal Blocks with Potential Commoning 2.5 mm²

1-conductor Pin spacing 5.08 mm / 0.2 in		2-conductor Pin spacing 5.08 mm / 0.2 in		
0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 16 A	AWG 28 – 12 300 V/10 A	









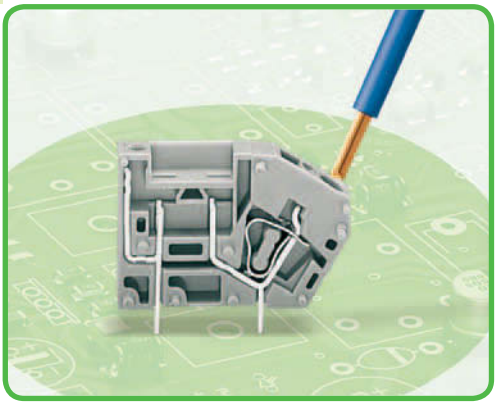
Color	Item No.	Pack. Unit
1-conductor, modular terminal block with potential commoning, 2 solder pins/pole		
orange	**742-126**	300

Color	Item No.	Pack. Unit
2-conductor, modular terminal block with potential commoning, 2 solder pins/pole		
orange	**742-176**	200

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-600**	300 (3 x 100)
Adjacent jumper, insulated, I_N 24 A, gray		
	**280-402**	200 (8 x 25)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-650**	300 (3 x 100)

Modular PCB Fuse Terminal Blocks 2.5 mm²
Pin Spacing 5 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 distributing potentials independent of PCB

Technical data:

Pin Spacing	1-conductor 5 mm / 0.197 in			2-conductor 5 mm / 0.197 in			3-conductor 5 mm / 0.197 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
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 mm²	
Conductor size: fine-stranded	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.25 – 1.5 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm²	(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	$1.4^{+0.05}$ 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

742 Series accessories:

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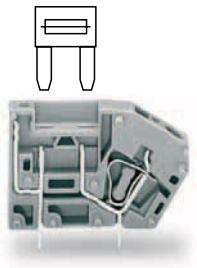
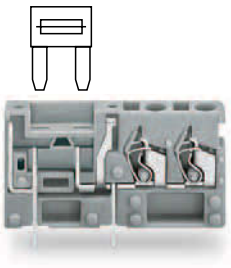
Test plugs	538
Automotive blade-style fuses based on DIN 72581-3f	
Example supplier: www.littelfuse.de	

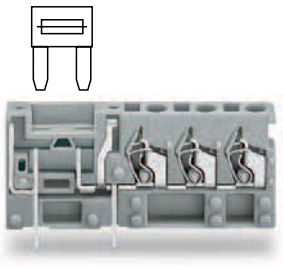
Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is max. 80% of their nominal current according to DIN 72581 part 3 (with an ambient temperature of 23°C). Selecting the correct 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.

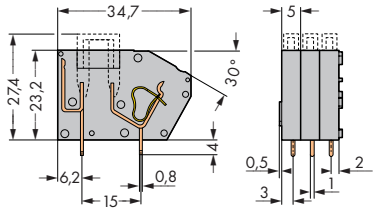
Modular PCB Fuse Terminal Blocks 2.5 mm²

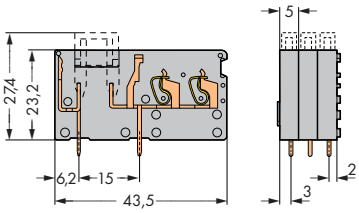
1-conductor Pin spacing 5 mm / 0.197 in		2-conductor Pin spacing 5 mm / 0.197 in		3-conductor Pin spacing 5 mm / 0.197 in	
0.08 – 2.5 mm² 320 V/4 kV/2 15 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 15 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 15 A	AWG 28 – 12 300 V/10 A

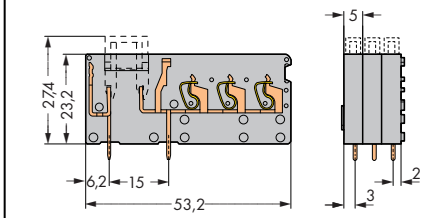












Color	Item No.	Pack. Unit
1-conductor modular fuse terminal block, 2 solder pins/pole		
gray	**742-111**	300

Color	Item No.	Pack. Unit
2-conductor modular fuse terminal block, 2 solder pins/pole		
gray	**742-161**	200

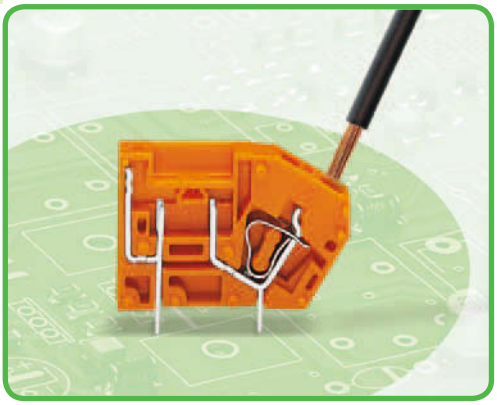
Color	Item No.	Pack. Unit
3-conductor modular fuse terminal block, 2 solder pins/pole		
gray	**742-163**	100

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, gray		
	**742-100**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, gray		
	**742-150**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, gray		
	**742-152**	300 (3 x 100)

Modular PCB Fuse Terminal Blocks 2.5 mm²
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		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
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 mm²	
Conductor size: fine-stranded	0.08 – 2.5 mm²	
Conductor size: fine-stranded	0.25 – 1.5 mm²	(with insulated ferrule)
Conductor size: fine-stranded	0.25 – 1.5 mm²	(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	$1.4^{+0.05}$ 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

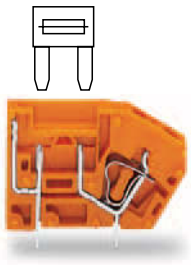
742 Series accessories:

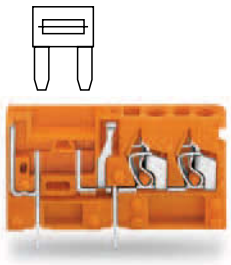
	Page:
Marking accessories	540 – 543
Operating tools	526 – 528
Test plugs	538
Blade-type fuse cartridges based on DIN 72581-3f	
Example supplier: www.littelfuse.de	

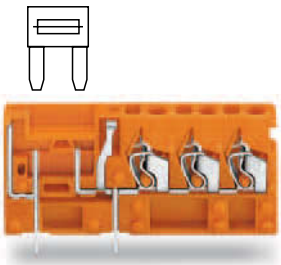
Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is max. 80% of their nominal current according to DIN 72581 part 3 (with an ambient temperature of 23°C). Selecting the correct 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.

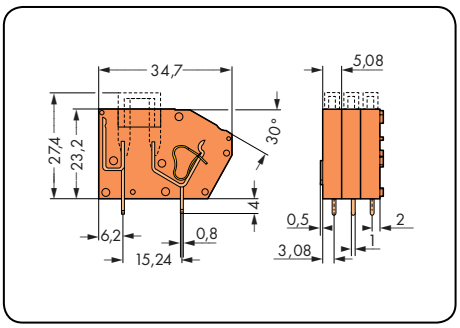
Modular PCB Fuse Terminal Blocks 2.5 mm²

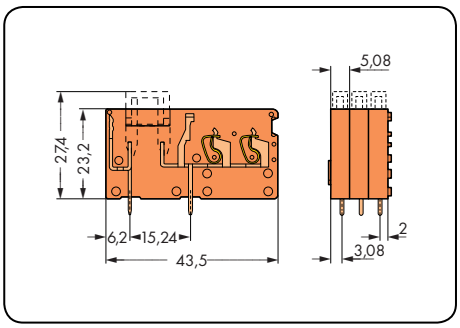
1-conductor Pin spacing 5.08 mm / 0.2 in		2-conductor Pin spacing 5.08 mm / 0.2 in		3-conductor Pin spacing 5.08 mm / 0.2 in	
0.08 – 2.5 mm² 320 V/4 kV/2 15 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 15 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm² 320 V/4 kV/2 15 A	AWG 28 – 12 300 V/10 A

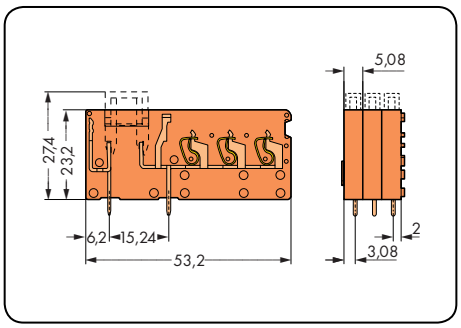












Color	Item No.	Pack. Unit
1-conductor modular fuse terminal block, 2 solder pins/pole		
orange	**742-116**	300

Color	Item No.	Pack. Unit
2-conductor modular fuse terminal block, 2 solder pins/pole		
orange	**742-166**	200

Color	Item No.	Pack. Unit
3-conductor modular fuse terminal block, 2 solder pins/pole		
orange	**742-168**	100

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-600**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-650**	300 (3 x 100)

Accessories	Item No.	Pack. Unit
End plate, snap-on type, 1.5 mm thick, orange		
	**742-651**	300 (3 x 100)