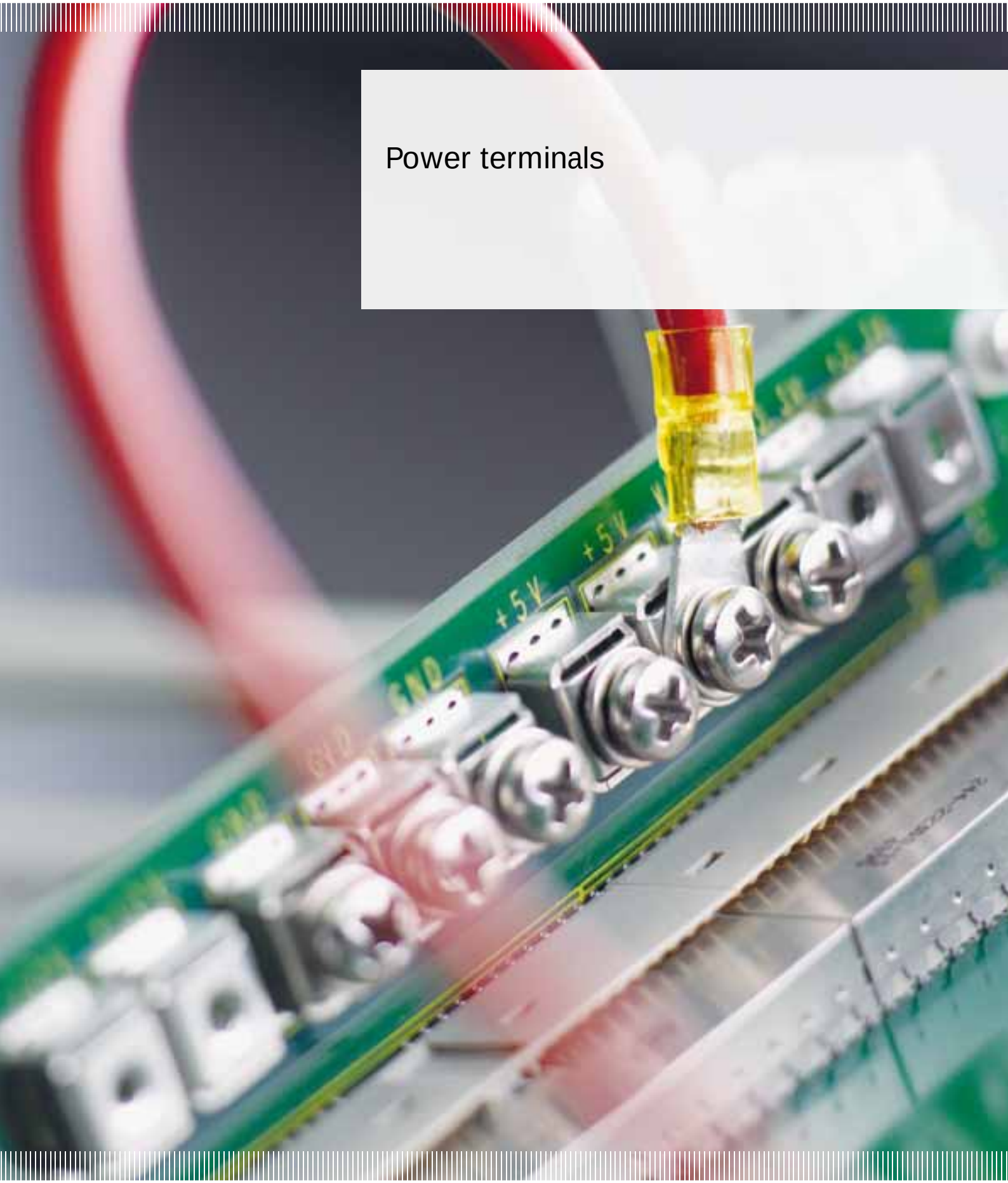
Power terminals



Technical specifications

Technical specifications			
	Grid 5.08 x 7.62 mm	Grid 5.08 x 10.16 mm	Blade connector
Operating temperature range		– 55 °C to + 125 °C	
Current carrying capacity at ambient temperature 20 °C 70 °C 100 °C The operational current is determined by the printed circuit board, the cable diameter, and the cable lug used (values when using a 6 mm² cable).	 45 A 30 A 25 A	 45 A 30 A 25 A	 25 A 20 A 15 A
Insertion force	Type 150 N/pin	Type 150 N/pin	max. 300 N/pin
Retention force	min. 60 N/pin	min. 60 N/pin	min. 60 N/pin
Plating	2 – 8 µm Sn	2 – 8 µm Sn	2 – 8 µm Sn
Thread	M4 or M5	M4	–
Max. tightening torque	1.3 Nm	1.3 Nm	–
Environment		RoHS compliant	

Current carrying capacity

The connection is made by means of commercially available cable lugs, or with the variants by means of a plug connection or optionally using a flat blade connection (FASTON).
The operational current is determined by the printed circuit board, the cable diameter, and the cable lug used.

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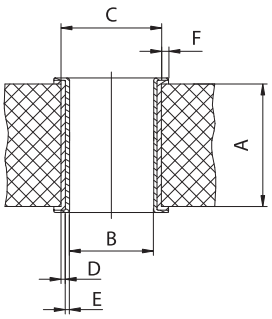
Hole specifications

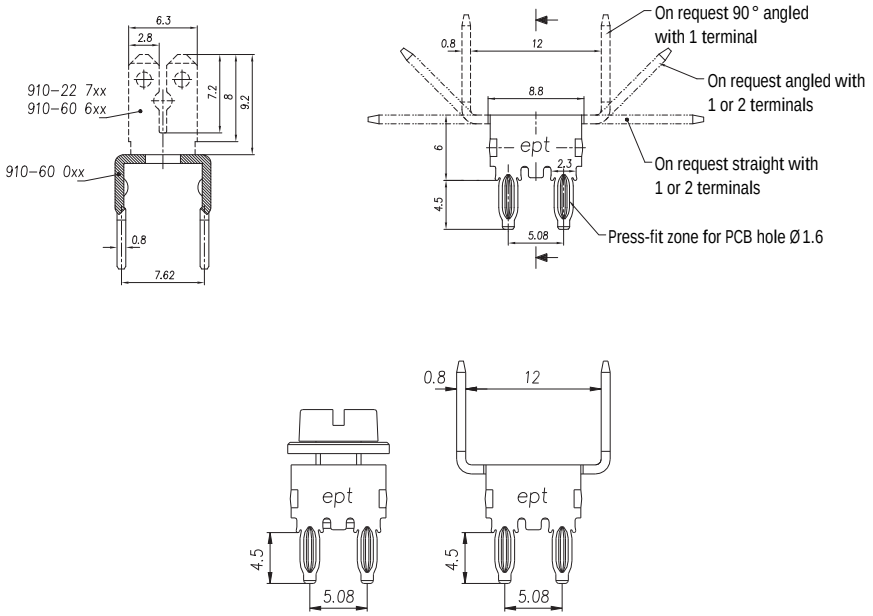
Plated through-hole according to IEC 60352-5

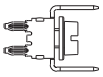
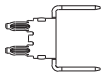
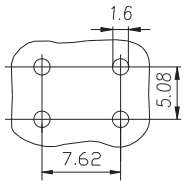


		Grid 5.08 x 10.16 mm	Grid 5.08 x 7.62 mm
	Nominal hole	Ø 1.45 mm	Ø 1.6 mm
	Imm. Sn printed circuit boards		
A	PCB thickness	min. 2.9 mm	min. 2.9 mm
B	Plated hole	Ø 1.45 + 0.09/- 0.06 mm	Ø 1.6 + 0.09/- 0.06 mm
C	Drill hole	1.6 ± 0.025 mm	1.75 ± 0.025 mm
D	Cu plating	min. 25 µm	min. 25 µm
E	Imm. Sn plating	max. 1.5 µm	max. 1.5 µm
F	Annular ring	min. 0.1 mm	min. 0.1 mm
	Ni, Au printed circuit boards		
A	PCB thickness	min. 2.9 mm	min. 2.9 mm
B	Plated hole	Ø 1.45 + 0.09/- 0.06 mm	Ø 1.6 + 0.09/- 0.06 mm
C	Drill hole	1.6 ± 0.025 mm	1.75 ± 0.025 mm
D	Cu plating	min. 25 µm	min. 25 µm
E	Ni, Au plating	0.05 – 0.2 µm Au over 2.5 – 5 µm Ni	0.05 – 0.2 µm Au over 2.5 – 5 µm Ni
F	Annular ring	min. 0.1 mm	min. 0.1 mm
	HAL Sn printed circuit boards		
A	PCB thickness	min. 2.9 mm	min. 2.9 mm
B	Plated hole	Ø 1.45 + 0.09/- 0.06 mm	Ø 1.6 + 0.09/- 0.06 mm
C	Drill hole	1.6 ± 0.025 mm	1.75 ± 0.025 mm
D	Cu plating	min. 25 µm	min. 25 µm
E	HAL Sn	5 – 15 µm	5 – 15 µm
F	Annular ring	min. 0.1 mm	min. 0.1 mm

Power terminals
5.08 x 7.62 mm

Dimensions in mm



Pins	Contact arrangement	Press-fit technology – thread M4			
					
		Part number			
4		910-60045	910-22015	910-60645/1	910-22715/1

Accessories	On request
– Screws DIN 84 (see page 191) – Washer (see page 191) – Lock nut (see page 191) – Philips screw (see page 191) – Press-fit tool (see page 216) – Support tool (see page 217)	– With 1 or 2 terminals angled – With 1 or 2 terminals straight – With 1 terminal 90 °

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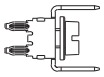
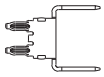
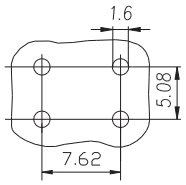
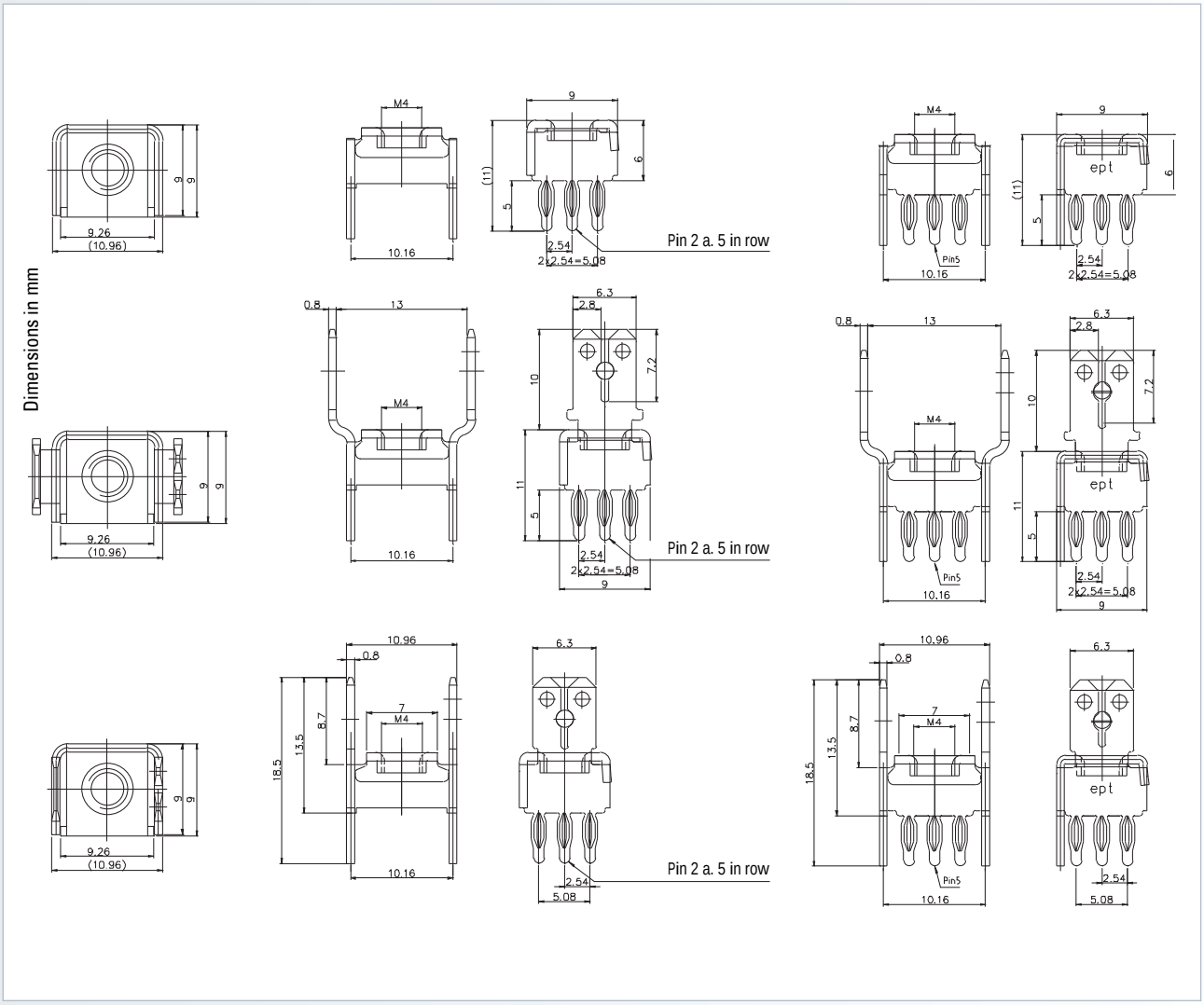
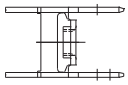
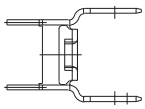
Pins	Contact arrangement	Press-fit technology – thread M5			
					
		Part number			
4		910-60050	910-22020	910-60650/1	910-22720/1

Accessories
– Screws DIN 84 (see page 191)
– Washer (see page 191)
– Lock nut (see page 191)
– Press-fit tool (see page 216)
– Support tool (see page 217)

On request
– Philips screw
– With 1 or 2 terminals angled
– With 1 or 2 terminals straight
– With 1 terminal 90°

Power terminals
5.08 x 10.16 mm



Pins	Contact arrangement	Press-fit technology – thread M4		
				
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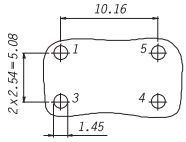
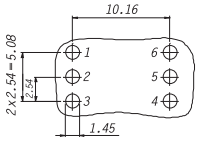
4		911-32004	911-32244	911-32044
6		911-32006	911-32246	911-32046

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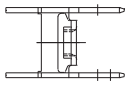
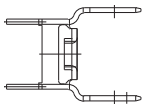
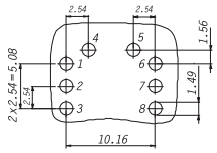
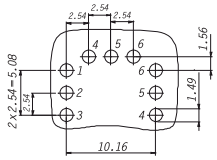
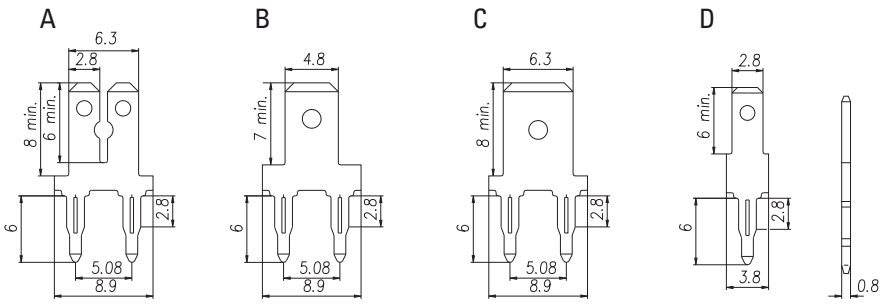
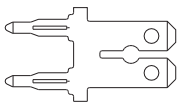
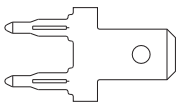
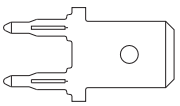
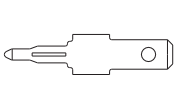
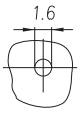
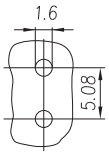
Pins	Contact arrangement	Press-fit technology – thread M4		
				
		Part number		
8		911-33008	911-33248	911-33048
9		911-33009	911-33249	911-33049

Accessories
- Screws DIN 84 (see page 191)
- Washer (see page 191)
- Philips screw (see page 191)
- Press-fit tool (see page 216)
- Support tool (see page 217)

Dimensions in mm



Pins	Contact arrangement	Press-fit technology			
		A	B	C	D
					
		Part number			
1		–	–	–	090-10164
2		090-10162	090-10161	090-10163	–

Accessories
– Press-fit tool (see page 216)
– Support tool (see page 217)

Note
– Plated hole Ø 1.6 + 0.04/– 0.06 mm (solid pin)

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Thread		Part number	
	Side view	M4	M5
Socket cap screw DIN 84		910-20145	910-20150
Philips screw		910-20146	–
Washer		910-20320	910-20330
Lock nut		910-20015	910-20020

On request
– Philips screw in M5