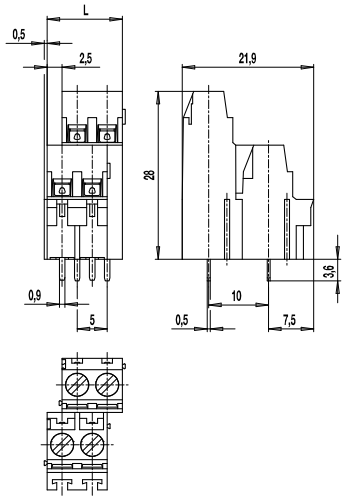
PCB connector

140-E-253

Screw connection, interlocking, two-tier tall version



The PCB connector 140-E-253 with lift system is designed as two-tier tall version with a pitch of 5 mm and available with 4 or 6 poles.

The multi-tier version offers higher connection density. Offset individual rows of PCB connectors provide easy access to the terminal leads. This PCB connector can also be used for encapsulating circuits.

This 4- or 6-pole PCB connector has lateral locking elements which allow to lock the connectors to any pole number without pole loss. The wire entrance is parallel to the PCB.

Connecting PCB connectors 140-E-253 with 140-A-111 yields the three-tier versions 140-E-271 and/or 140-E-273.

Part Numbers

No. of poles	140-E-253	Length	Pcs
4	10.801.494	12,50	100
6	10.801.496	17,50	100

General Information

Pitch	5 mm
No. of poles	4 + 6

Technical Data

Clamping Range	*solid / flexible / AWG*		
	0,14 - 1,5 mm² / 0,14 - 1,5 mm² / 26 - 16 AWG		
Rated Cross Section	1,5 mm²		
Wire Stripping Length	6 mm ± 0,5 mm		
Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	160 V	160 V	320 V
Rated Impulse Voltage	2,5 kV	2,5 kV	2,5 kV
Rated Insulation Voltage	250 V acc. to EN 60998-1		
Rated Current	16 A		
Hole in PCB	ø 1,2 mm		
Torque	0,5 Nm		

Material

Moulding	PA, grey, V-0
Comparative Tracking Index	CTI ≥ 600
Insulating Group	I
Temperature Range	-40°C up to 100°C
Terminal body	Nickel plated brass
Pressure clamp	Copper alloy, tin plated
Screw	M3; zinc plated steel, blue passivated
Solder pin	0,9 x 0,5 mm; Copper alloy, tin plated

Approvals

	Current	Voltage	Group	AWG	Nm
	10 [1]	300	B	30 - 14	0,51
	15	300	B	30 - 14	0,51

[1] 20 A max for factory-wiring applications only

Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00
- Pitch of 10 mm for larger clearance and creepage distances
- Can be fitted together to larger pole numbers

"no flame" after glow-wire test according to Household Appliance DIN EN/IEC 60335-1

pottable