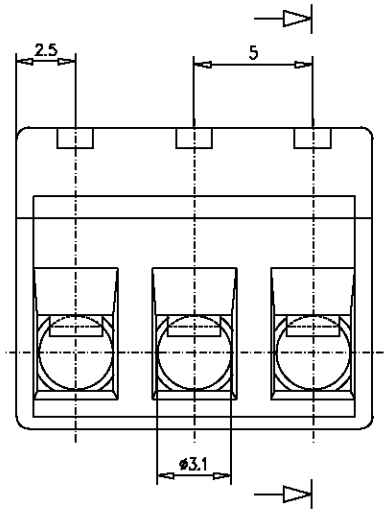
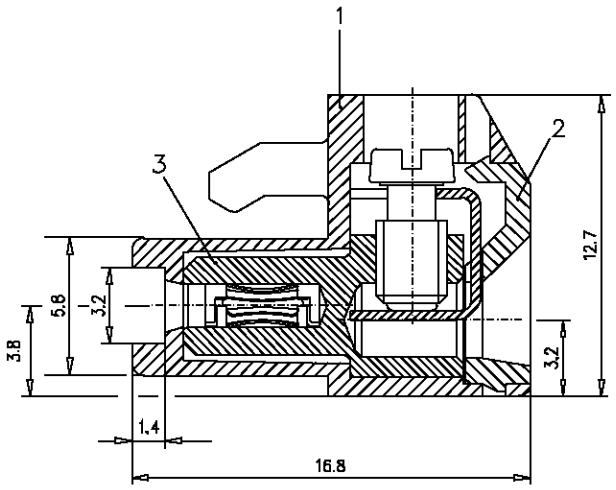
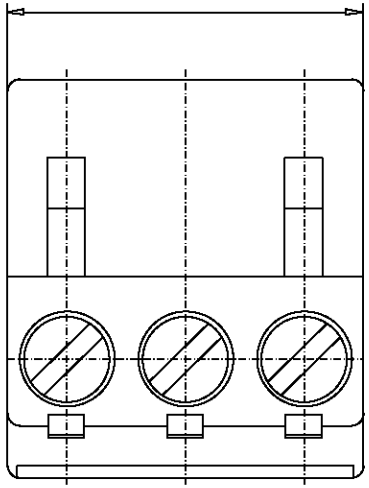
dimensions in mm





L = (poles − 1) x ps + 5



Technical Data

	according to: UL		VDE	
Insulation co-ordination according to DIN/VDE 0110-1 04.97				
pin spacing	0.197 in.	0.394 in.	5mm	10mm
voltage	300V	600V	250V~eff	630V~eff
			according to VDE 0110	
			degree of contamination 3	
surge voltage			4kV	6kV
			at overvoltage category III	
Insulation material group			insulating material I: 600 ≤ CTI	
minimum clearances or creepage distances			3.8mm	
			at connected solid wire ø2.0mm	
maximum current	15A		10A	
tightening torque at connected nominal diameter	8 lb-in		0.5 Nm max.	
wire range	AWG Cu, Sol/Str wire No. 22-12 ####		ø0.4mm - ø2.0mm	

Additional wire sizes and/or combinations of same size wires as follows:
- 2 No. 22-18 AWG (field-wiring)
2 No. 26-18 AWG, or 1 No. 26-14 AWG (factory-wiring)

rated cross section	(single-wire)	stranded wire	AWG
mm²2	2.5	1.5	12
contact resistance	≤ 5mΩ at I=500mA after 100 plug-contacts per pole from the clamping point via the header to printed-circuit board		
withdrawing force	per circuit 0,75N ... 3,5N		
max. limiting temperature	+125°C		
min. limiting temperature	-40°C		
climatic class	40/125/56 according to DIN IEC 68-1		
type of protection according to IEC 529	IP 20 at connected nominal diameter		
number of poles	2 - 24 poles		
wire strip length	6mm		
approvals	UL File E121004 CSA File 85368 SEV		

Materials

item 1	insulating body part-no. 714454-049-02-0	
through	part-no. 714454-049-24-0	PA 66 Frianyl A63 V0 brown (unbreakable) flame resistant and self-extinguishing, according to UL 94V-0, stated under the File-No. E86034 (M); temperature range -40°F (-40°C) to +257°F (+125°C) for short time up to +365°F (+185°C)
item 2	terminal molding cover part-no. 714574-049-02-0	
through	part-no. 714574-049-12-0	
item 3	connector body M3 complete part-no. 750024-01	
	connector body M3 mounted part-no. 750351-01	
	connector body M3 part-no. 718472-0136	brass CuZn39Pb2 4µm nickel plating over 0.5-1µm copper
	contact ø1.8mm part-no. 717063-8301	beryllium copper CuBe F520 5µm silver plating over 2µm nickel plating, passivated
	terminal screw M3 part-no. 710157-01	steel quality 8.8 4µm nickel plating over 8µm copper
	wire protector part-no. 710177	CuNi18Zn20

Verwendungsbereich RIACON USA				Zul. Abw.		Oberfläche	Maßstab 5:1		Gewicht
							Werkstoff, Rohteil		Werkstoff-Artikel-Nummer
					Datum	Name	Benennung		
				Bearb.	26.04.94	mio	data sheet		
				Gepr.			pluggable series typ 49 ps 5mm		
				Norm			with lift system		
05	ŽM 207/99	18.06.99	Ba.						
04	ŽM 015/99	19.01.99	Ba.						
03	ŽM 373/98	14.10.98	Ba.	RIA			Artikel-Nummer 31049	Teile-Code 9-7221	Blatt Bl.
02	ŽM 406/96	26.09.96	JK						
01	ŽM 125/95	03.04.95	Heller						
Zust.	Änderung	Datum	Name	CAD-Nr.:	31049CA2		Ers. d.:	Ers. f.:	

T ☐
MW ☐
QS ☐
TPSB ☐
TPK ☐
TPR ☐
TAVR ☐
MAVA ☐
MAVA-E ☒
MWLR ☐
TPB ☐
TAVB ☐
MAVR ☐
MWLB ☐
TWSF ☐
TWST ☐
MAVT ☐
GTtepr?fer ☐
Konform ☐
MAMS ☒

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