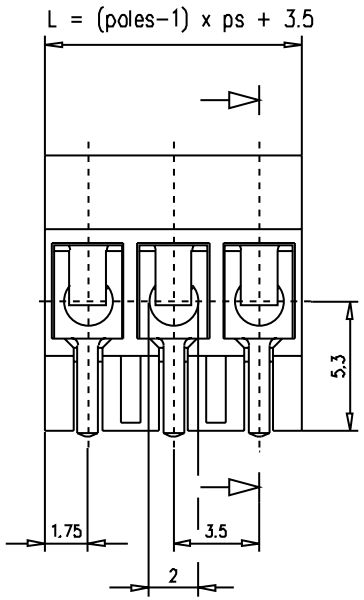
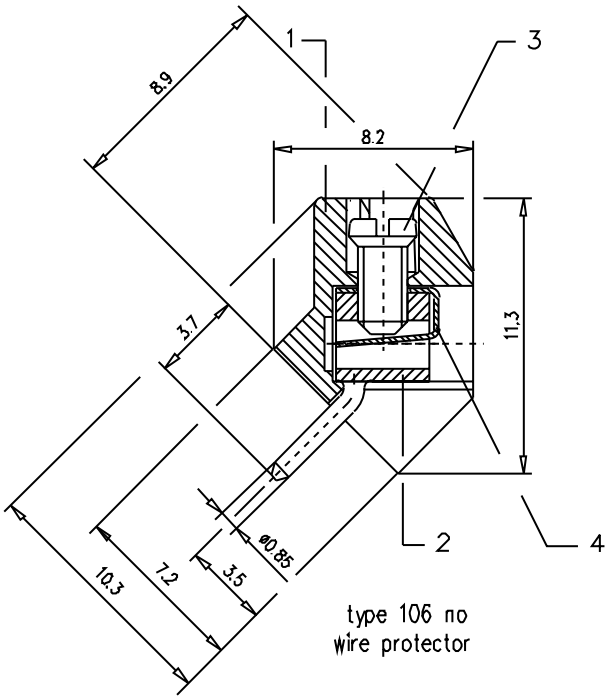
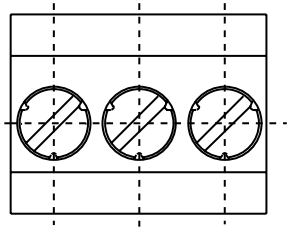
dimensions in mm

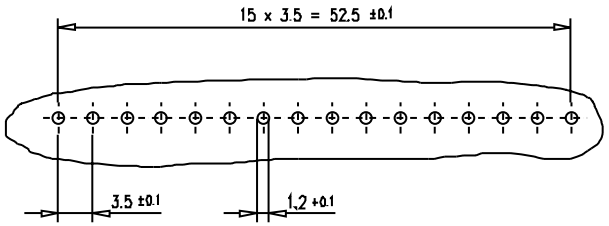




type 106 no
wire protector



drill pattern in the PCB
2:1



Technical Data

	according to: UL		VDE	
Insulation co-ordination according to DIN/VDE 0110-1 04.97				
pin spacing	0.138 in.	0.276 in.	3.5mm	7mm
voltage	300V	600V	125V~eff	380V~eff
			according to VDE 0110	
			degree of contamination 3	
surge voltage			2.5kV	4kV
			at overvoltage category III	
insulation material group			insulating material I: 600 ≤ CTI	
minimum clearances or creepage distances			2.7mm	
			at connected solid wire ø1.4mm	
maximum current	10A		6A	
tightening torque	3 lb-in		0.5 Nm max.	
at connected nominal diameter wire range	AWG Cu, Sol/Str wire No. 22-18 ###		ø0.3mm – ø1.4mm	

Additional wire sizes and/or combinations of same size wires as follows:
– 2 No. 22-20 AWG (field-wiring); 2 No. 30-20 AWG, or 1 No. 30-18 AWG (factory-wiring)

rated cross section	(single-wire)	stranded wire	AWG
mm²/2	1.5	1.0	18
soldering pin	ø0.85mm recommended pc hole diameter ø1.2mm		
soldering pin length	3.7mm		
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 – 16 poles		
wire strip length	5mm		
approvals	type 105 CSA File 85368 UL E121004		
	type 106 CSA File 85368		

Materials

item 1	insulating body part-no. 711463-105-02-0	PA 66 Frianyl A63 V0 brown (unbreakable) flame resistant and self-extinguishing, according to UL 94V-0,
through	part-no. 711463-105-16-0	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	connector body M2 part-no. 718461-0100	brass CuZn38Pb1.5 F42 3-6µm tin plating over 2µm nickel plating, machined solder pin
item 3	terminal screw M3 part-no. 711018-01	steel quality 10.9 4µm nickel over 8µm copper plating (standard)
item 4	wire protector part-no. 717045	copper alloy CuSn6 5-8µm tin plated

Verwendungsbereich	Zul. Abw.	Oberfläche	Maßstab 5:1 2:1	Gewicht
RIACON USA			Werkstoff, Rohteil	Werkstoff-Artikel-Nummer

					Datum	Name	Benennung
				Bearb.	05.09.96	Ba.	data sheet series type 105/106 ps 3.5mm
				Gepr.			
05	ZM 207/99	22.06.99	Ba.	Norm			
04	ZM 015/99	13.01.99	Ba.				
03	ZM 258/97	28.06.97	JK				
02	ZM 069/97	06.03.97	A.Joag				
01	ZM 392/96	23.10.96	Ba.				
Zust.	Änderung	Datum	Name	CAD-Nr.:	31105C3		

RIA

Artikel-Nummer	Teile-Code	Blatt
31105/31106	9-7111	Bl.
Ers. d.:	Ers. f.:	

T
MW
QS
TPSB
TPK
TPR
TAVR
MAVA
MAVA-E [X]
MWLR
TPB
TAVB
MAVR
MWLB
TWSF
TWST
MAVT
Gütepr?fer
Konform
MAMS [X]