



Highlights

Wire guard type
 With two soldering pins
 Grounding clamp
 24 A with 2.5 mm² wire

Wire Sizes

Solid min	0.2 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.2 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

Stripped length	mind. 5.0 mm
PCB hole diameter	1.5 mm

Materials

Clamp	Brass
Wire guard	Stainless Steel
Screw	Steel

Temperatures

Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

Wave Soldering Process

Soldering temperature, recommended	260 °C
Peak soldering time, recommended	3-4 s

Reflow Process

Soldering temperature, recommended	217 - 245 °C
Peak soldering time, recommended	60 s



Technical Data // EK105/..DS-V

PTR HARTMANN

A Phoenix Mecano Company

Spacing 4.0 mm

Ratings

		*		**	
UseGroup	B	C	D		
Rated voltage	-	-	-	-	
Rated current	20 A	20 A	10 A	24 A	
Rated wire size				min	max
- solid	AWG 22-12	AWG 22-12	AWG 22-12	0.2 mm ²	2.5 mm ²
- stranded	AWG 22-12	AWG 22-12	AWG 22-12	0.2 mm ²	2.5 mm ²
Torque	0.50 Nm	0.50 Nm	0.50 Nm	0.50 Nm	
Screw size	M3	M3	M3	M3	
Test voltage	-	-	-	-	

* angelehnt an UL 1059 (XCFR2.E101811) und CSA 22.2 No. 158 (XCFR8.E101811)

** angelehnt an EN 60998

Order Data (Spacing 4.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	4.00	EK105/1DS-V	50105018803 H	500

Technical drawing

