PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 12 poles	
2 and 3 pole modules	
Spacing 5.08 mm	
Lift type	
Wire entry parallel to PCB	
Three-tier terminal	
Tiers offset by half pitch	
22 A with 2.5 mm² wire	
Wire Sizes	
Solid min	0.2 mm²
Solid max	4.0 mm²
Stranded (flexible) min	0.2 mm²
Stranded (flexible) max	2.5 mm²
Stranded with ferrule min	0.25 mm²
Stranded with ferrule max	2.5 mm²
Dimensions	
Stripped length	8.0 mm
PCB hole diameter	1.3 mm
Materials	
Clamp	Brass
Screw	Steel
Solder tab	Copper Alloy
Insulating Material	
Material	PA 6.6
Flammability class	UL 94 V-0
Temperatures	
Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

Spacing 5.08 mm

Wave Soldering Process

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

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

GREEN, RAL 6018

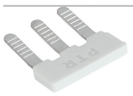
LIGHT GREEN, similar RAL 6018

Colours according to RAL, there may be variations on colour due to production conditions.
Special colours on request.

Ratings

	c UL us			VDE	
UseGroup	B	C	D		
Rated voltage	300 V	150 V	300 V	250 V	
Rated current	20 A	20 A	10 A	22 A	
Rated wire size				min	max
- solid	AWG 30-12	AWG 30-12	AWG 30-12	0.5 mm²	2.5 mm²
- stranded	AWG 30-12	AWG 30-12	AWG 30-12	0.5 mm²	2.5 mm²
Torque	0.45 Nm	0.45 Nm	0.45 Nm	0.50 Nm	
Screw size	M3	M3	M3	M3	
Test voltage	1.60 kV	1.30 kV	1.60 kV	2.0 kV	

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Order Data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order Data: 50000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Order Data: 50000000008
	Screw Cover SC-AK700-YELLOW	Order Data: 50700000004

Spacing 5.08 mm

Order Data (Spacing 5.08 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	12.70	AKZ770/2-5.08-V-GREEN	50770020210 D	50
3	17.78	AKZ770/3-5.08-V-GREEN	50770030210 D	50
4	22.86	AKZ770/4-5.08-V-GREEN	50770040210 D	50
5	27.94	AKZ770/5-5.08-V-GREEN	50770050210 D	50
6	33.02	AKZ770/6-5.08-V-GREEN	50770060210 D	50
7	38.10	AKZ770/7-5.08-V-GREEN	50770070210 D	50
8	43.18	AKZ770/8-5.08-V-GREEN	50770080210 D	50
9	48.26	AKZ770/9-5.08-V-GREEN	50770090210 D	50
10	53.34	AKZ770/10-5.08-V-GREEN	50770100210 D	50
11	58.42	AKZ770/11-5.08-V-GREEN	50770110210 D	50
12	63.50	AKZ770/12-5.08-V-GREEN	50770120210 D	50

Technical drawing

