



#### Wire Sizes

Solid min	0.2 mm <sup>2</sup>
Solid max	1.5 mm <sup>2</sup>
Stranded (flexible) min	0.2 mm <sup>2</sup>
Stranded (flexible) max	1.5 mm <sup>2</sup>
Stranded with ferrule min	0.2 mm <sup>2</sup>
Stranded with ferrule max	1.5 mm <sup>2</sup>

#### Dimensions

Stripped length	5.0 mm
PCB hole diameter	1.3 mm

#### Materials

Clamp	Brass
Wire guard	Stainless Steel
Screw	Steel

#### 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

#### Wave Soldering Process

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

#### Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Spacing 5.0 mm

**Colours**

GREY, RAL 7016


BLUE, RAL 5015

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

**Ratings**

UseGroup	C <sub>RU</sub> ® US			VDE	
	B	C	D		
Rated voltage	300 V	-	300 V	250 V	
Rated current	15 A	-	10 A	17.5 A	
Rated wire size				min	max
- solid	AWG 22-14	-	AWG 22-14	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
- stranded	AWG 22-14	-	AWG 22-14	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Torque	0.40 Nm	-	0.40 Nm	0.40 Nm	
Screw size	M2.6	-	M2.6	M2.6	
Test voltage	1.60 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

**Order Data (Spacing 5.0 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.60	AK500/2DS-5.0-H-GREY	50500020171 G	250
3	15.60	AK500/3DS-5.0-H-GREY	50500030171 G	250
4	20.60	AK500/4DS-5.0-H-GREY	50500040171 G	250
5	25.60	AK500/5DS-5.0-H-GREY	50500050171 G	250
6	30.60	AK500/6DS-5.0-H-GREY	50500060171 G	250
7	35.60	AK500/7DS-5.0-H-GREY	50500070171 G	250
8	40.60	AK500/8DS-5.0-H-GREY	50500080171 E	100
9	45.60	AK500/9DS-5.0-H-GREY	50500090171 E	100
10	50.60	AK500/10DS-5.0-H-GREY	50500100171 E	100
11	55.60	AK500/11DS-5.0-H-GREY	50500110171 E	100
12	60.60	AK500/12DS-5.0-H-GREY	50500120171 E	100



**PTR HARTMANN**

A Phoenix Mecano Company

Technical Data // **AK500/..DS-5.0-H-GREY**

Spacing 5.0 mm

Technical drawing

