

Highlights

2 to 6 poles

Single mold

Spacing 5.0 mm

Lift type

Wire entry 45° to PCB

Pin length 3.7 mm

Reflow soldering

Automatic assembly (tape-on-reel)

THR

24 A with 2.5 mm² wire

Wire Sizes

Solid min	0.14 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.14 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.25 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

Stripped length	7.0 mm
PCB hole diameter	1.3 mm

Materials

Clamp	Brass
Screw	Steel
Solder tab	Copper Alloy

Insulating Material

Material	PA
Flammability class	UL 94 V-0

**Technical Data // AK300/..-5.0-P3.7-BK-BL-HT**

Spacing 5.0 mm

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

Colours

BLACK, RAL 9011

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

Ratings

UseGroup	B	C	D		
Rated voltage	300 V	-	300 V	250 V	
Rated current	15 A	-	10 A	24 A	
Rated wire size				min	max
- solid	AWG 22-12	-	AWG 22-12	0.5 mm ²	2.5 mm ²
- stranded	AWG 22-12	-	AWG 22-12	0.5 mm ²	1.5 mm ²
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	




Tape on Reel

Number of Poles	Reel (RD/")	Width (R/mm)	Pitch (RP/mm)	Pieces (PCS)
2	15	44	24	225
3	15	44	24	225
4	15	56	24	225
5	15	56	24	225
6	15	56	24	225



Spacing 5.0 mm

Accessoires

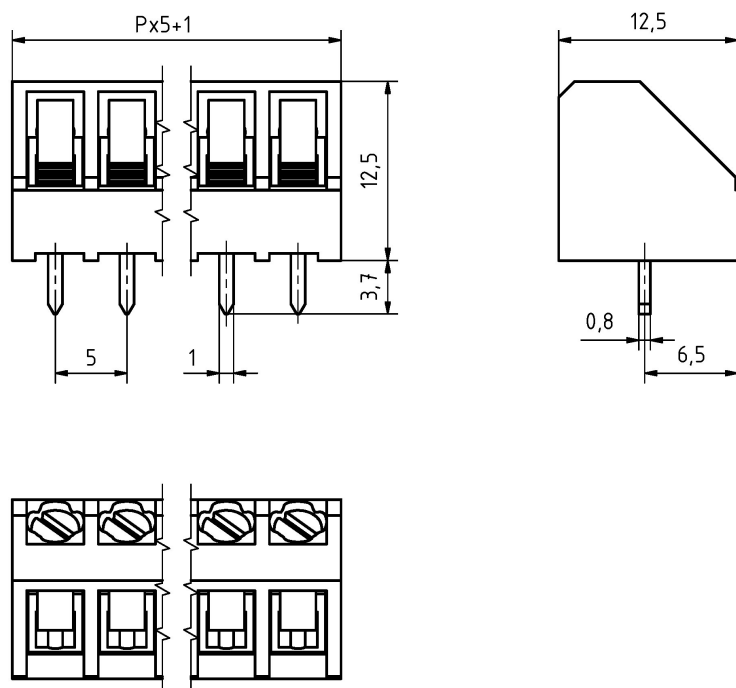
Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Order Data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order Data: 50000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Order Data: 50000000008

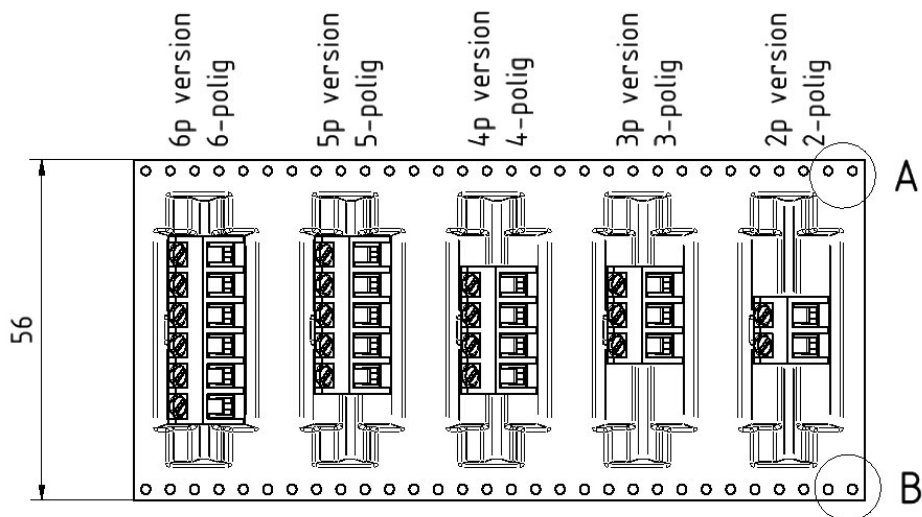
The insulated bridges have to be mounted after the reflow soldering process.

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.60	AK300/2-5.0-P3.7-BK-BL-HT	50300023341R	225
3	15.60	AK300/3-5.0-P3.7-BK-BL-HT	50300033341R	225
4	20.60	AK300/4-5.0-P3.7-BK-BL-HT	50300043341R	225
5	25.60	AK300/5-5.0-P3.7-BK-BL-HT	50300053341R	225
6	30.60	AK300/6-5.0-P3.7-BK-BL-HT	50300063341R	225

Technical drawing

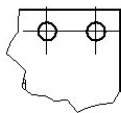




unreel direction
Abrollrichtung



A



B

