

## AKZ350/..-5.08-V-P3.5-BK-HT



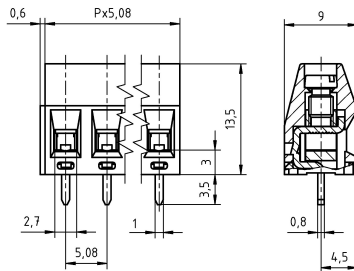
## Technical Data

Wire sizes		Insulating Material	
Solid min	0.14 mm <sup>2</sup>	Material	PPA
Solid max	2.5 mm <sup>2</sup>	Flammability Class	UL 94 V-0
Stranded (flexible) min	0.14mm <sup>2</sup>	<b>Temperatures</b>	
Stranded (flexible) max	1.5 mm <sup>2</sup>	Operating Temperature (without mech. load)	-40 °C - 105 °C
Stranded with Ferrule min	0.25 mm <sup>2</sup>	Store Temperature	-40 °C - 105 °C
Stranded with Ferrule max	1.5 mm <sup>2</sup>	<b>Wave Soldering Process</b>	
<b>Dimensions</b>		Soldering Temperature, recommended	260 °C
Stripped Length	6.0 mm	Peak Soldering Time, recommended	3-4 s
PCB Hole Diameter	1.3 mm	<b>Reflow Process</b>	
<b>Materials</b>		Soldering Temperature, recommended	217 - 245 °C
Clamp	Brass	Peak Soldering Time, recommended	60 s
Screw	Steel		
Solder Tab	Brass		

## Colours

BLACK, RAL 9011

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



## Order Data (Spacing 5.08 mm)

Poles	Width (mm)	Article Designation	Article Number	PU
2	10.76	AKZ350/2-5.08-V-P3.5-BK-HT	50350020331 F	200
3	15.84	AKZ350/3-5.08-V-P3.5-BK-HT	50350030331 F	200
4	20.92	AKZ350/4-5.08-V-P3.5-BK-HT	50350040331 F	200
5	26.00	AKZ350/5-5.08-V-P3.5-BK-HT	50350050331 F	200
6	31.08	AKZ350/6-5.08-V-P3.5-BK-HT	50350060331 E	100
7	36.16	AKZ350/7-5.08-V-P3.5-BK-HT	50350070331 E	100
8	41.24	AKZ350/8-5.08-V-P3.5-BK-HT	50350080331 E	100
9	46.32	AKZ350/9-5.08-V-P3.5-BK-HT	50350090331 E	100
10	51.40	AKZ350/10-5.08-V-P3.5-BK-HT	50350100331 D	50
11	56.48	AKZ350/11-5.08-V-P3.5-BK-HT	50350110331 D	50
12	61.56	AKZ350/12-5.08-V-P3.5-BK-HT	50350120331 D	50

## 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.

## Ratings

UseGroup	cUL <sup>®</sup> US			VDE	
	B	C	D		
Rated Voltage	300 V	150 V	300 V	250 V	
Rated Current	15 A	15 A	10 A	17.5 A	
Rated Wire Size				min	max
- solid	AWG 22-12	AWG 22-12	AWG 22-12	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
- stranded	AWG 22-12	AWG 22-12	AWG 22-12	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Torque	0.50 Nm	0.50 Nm	0.50 Nm	0.50 Nm	
Screw Size	M3	M3	M3	M3	
Test Voltage	1.60 kV	1.30 kV	1.60 kV	2.0 kV	