

## Datasheet

Art.No. 70.310.1040.0

Male insert BAS STS 10 2,5 50

revos BASIC 500V 10 pole + ground, male insert 500V/16A with wire protection,  
Sn screw connection



Art.No.	70.310.1040.0
EAN	4015573219878
Order unit	10 pieces

## Approvals



## Technical data

### General

Model	Pin insert
Inflammability class of insulation material acc. with UL94	V0
Colour	Grey
Mating cycles	200
Pollution degree	3
Modular version	No
Operating temperature range min.	-40 °C
Operating temperature range max.	120 °C

### Connection Data

Connection type	Screw connection
Number of poles	10
Plus switching contacts	0
Number of pole for rated current 2	0
Number of pole for rated current 3	0
Total number of poles (without ground contact)	10
With wire protection	Yes
Min. conductor diameter rigid (solid/stranded)	0.5 mm <sup>2</sup>
Max. conductor diameter rigid (solid/stranded)	2.5 mm <sup>2</sup>
Protective contact	Yes

### Technical Data UL/CSA

Rated voltage according to UL/CSA	600 V
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Rated current according UL	16 A
Rated current according CSA	16 A
Min. conductor cross section flexible wire	0.5 mm <sup>2</sup>
Max. conductor cross section flexible wire	2.5 mm <sup>2</sup>
Conductor cross section flexible AWG wire	22-14 AWG

**Model**

With housing	No
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**Contacts**

Contact material	Copper alloy
Surface	Tin-plated
Contact resistance	≤ 1.5 mOhm
Wire strip length	7 mm

**Screws head design/recomm. Torque**

Mounting screws	H1/0.5-0.7 Nm
Clamping screws	H1/0.5-0.7 Nm
Ground conductor screws	H2/1.2-1.6 Nm

**Technical Data DIN EN 61984**

Nominal voltage	500 V
Rated voltage face/ground	500 V
Nominal current	16 A
Rated impulse voltage	6 kV

**Classification**

ECLASS 8.1	27440205: Contact insert for industrial connectors
ETIM 5.0	EC000438: Contact insert for industrial connectors
ETIM 4.0	EC000438: Contact insert for industrial connectors
ETIM 3.0	EC000438: Contact insert for heavy duty connectors

Drawings

gezeichnet/drawn: 10-pol.

Farbe: kieselgrau  
colour: pebble grey

a  
Weitere Daten siehe Katalog  
further data see catalog

Teile-Nr. part no.	Typ type	Polzahl pole	L	I
70.310.0640.0	BAS STS 6 2,5 50	6	49,8	44
70.310.1040.0	BAS STS 10 2,5 50	10	62,8	57
70.310.1640.0	BAS STS 16 2,5 50	16	83,3	77,5
70.310.2440.0	BAS STS 24 2,5 50	24	109,8	104

Tolerierung nach DIN 7167/Tolerance system acc. to DIN 7167.  
(This DIN-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

(a/yes)  Stoffverbot- und Deklarationsliste nach EU-TM-REACH ist einzuhalten.  
Conformity with Wieland document 00-TM-05/03 (List of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach -  
General tolerance -

CM - Zeichnung, keine manuellen Änderungen  
CM - drawing, no manual modifications allowed

1. Verwendung:  
First Use: -

Stahl: 1 mm at 1

Werkstoff/Material	2003	Tag/Date	Name	Zeichnung Nr./Drawing No.	Index
	gezeichnet/drawn	09.07.	Bauer F.	T 70.310.0640.0 01K b	b
	geprüft/checked	-	-		
	freigegeben/Stamp. release	-	-		

Made in mm/Dimensions are in mm

Vol.	mm	011./Surf.	mm	Ersatz für/Replacement for: -
b	21.04.2012/			
e	21.04.2004/			

**wieland**  
Elektrische Verbindungen

**STECKEREINSATZ**  
2,5qmm 500V 16A Schraubanschluß und Drahtschutz  
male insert screw connection and wire protection

DU-PEM-08/91a