

Datasheet

Art.No. 70.310.1640.0

Male insert BAS STS 16 2,5 50

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



Art.No.	70.310.1640.0
EAN	4015573219892
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	16
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)	16
With wire protection	Yes
Min. conductor diameter rigid (solid/stranded)	0.5 mm ²
Max. conductor diameter rigid (solid/stranded)	2.5 mm ²
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 ²
Max. conductor cross section flexible wire	2.5 mm ²
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

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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 U0-TM-05/03 ist einzuhalten.
Conformity with Wieland document U0-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