

## Datasheet

Art.No. 70.300.0640.0

Female insert BAS BUS 6 2,5 50

revos BASIC 500V 6 pole + ground, female insert 500V/16A with wire protection,  
Sn screw connection



Art.No.	70.300.0640.0
EAN	4015573219588
Order unit	10 pieces

## Approvals



## Technical data

### General

Model	Female 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	6
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)	6
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

**10-polig/10-pole**  
70.300.1040.0

Farbe: kieselgrau  
colour: pebble gray

33.7  
27  
16.7  
15.5

**6-polig/6-pole**  
70.300.0640.0

**16-polig/16-pole**  
70.300.1640.0

**24-polig/24-pole**  
70.300.2440.0

③ Weitere Daten siehe Katalog  
further data see catalog

Teile-Nr. part no.	Typ type	Polzahl pole	L	I
70.300.0640.0	BAS BUS 6 2,5 50	6x	49,8	44
70.300.1040.0	BAS BUS 10 2,5 50	10x	62,8	57
70.300.1640.0	BAS BUS 16 2,5 50	16x	83,3	77,5
70.300.2440.0	BAS BUS 24 2,5 50	24x	109,8	104

**BUCHSENEINSATZ**  
2,5 qmm 500V 16A Schraubanschluss u. Drahtschutz  
male insert screw connection and wire protection

BUCHSENEINSATZ  
male insert screw connection and wire protection