

Data sheet

Commercial Art.No.: 70.310.1640.0

male insert BAS STS 16 2,5 50

Male insert revos basic, screw type, 16-poles, rated current: 16A, rated voltage: 500V, with tin-plated contacts



certificates / approvals



Technical data

general

model	pin insert
flammability class of insulation material acc. with UL94	V0
color	grey
mating cycles	200
pollution degree	3
suitable for 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

nominal voltage according to UL/CSA	600 V
nominal current according UL	16 A
nominal 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	18-12 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
nominal voltage face/ground	500 V
nominal current	16 A
rated impulse voltage	6 kV

classification

ECLASS 11	
ECLASS 8.1	27440205
ETIM 9.0	EC000438
ETIM 8.0	EC000438
ETIM 7.0	EC000438
ETIM 6.0	EC000438
ETIM 5.0	EC000438
ETIM 4.0	EC000438
ETIM 3.0	EC000438

product compliance

ROHS conformity status	compliant/exempted
ROHS exceptions	III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1