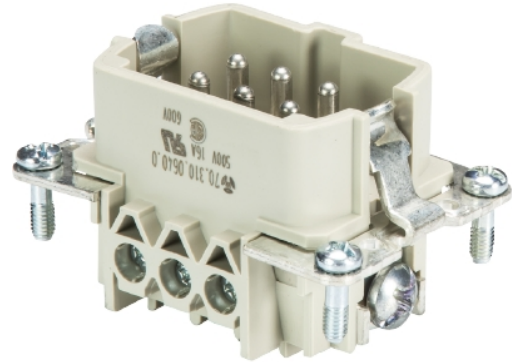


Data sheet

Art.No.: 70.310.0640.0

male insert BAS STS 6 2,5 50

Male insert revos basic, screw type, 6-poles, rated current: 16A, rated voltage: 500V, with tin-plated contacts



Art.No.	70.310.0640.0
EAN	4015573219854
Order Unit	10

certificates / approvals



Technical data

general

model	pin insert
inflammability 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	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 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
--------------	----

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

Fits with

Art.No.:	Article/type description:	Description:
70.100.0653.4	multipole adapter BAS BAS KL 6 4,0 50	Multipole adapter revos BASIC 500V/16A screw connection 6 pole + ground, short design, female insert, ground left

70.940.0653.3	multipole adapter set BAS GAESHLB 6 4,0 50	Multipole adapter revos BASIC 500V/16A with base, screw connection 6 pole + ground, long design, female insert, ground left, single locking lever
70.940.0653.4	multipole adapter set BAS GAESNLB 6 4,0 50	Multipole adapter revos BASIC 500V/16A with base, screw connection 6 pole + ground, short design, female insert, ground left, single locking lever
70.500.0653.0	female insert BAS BUF 6 2,5 50	Female insert revos basic, spring type, 6-poles, rated current: 16A, rated voltage: 500V, with silver-plated contacts
70.502.0653.0	female insert BAS BUM 6 2,5 50 AG	Female insert revos basic, 6-poles, rated current: 16A, rated voltage: 500V, with silver-plated contacts
70.700.0658.0	female insert BAS BUC 6 50	Female insert revos basic, 6-poles, rated current: 16A, rated voltage: 500V, with tin-plated contacts
70.350.0635.0	hood BAS GOT GG 6 M20 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M20 on the right side (IP54), low version, 6-poles
70.350.0635.1	hood BAS GOT GG 6 M20 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M20 on the right side, low version, 6-poles
70.350.0635.2	hood BAS GOT GG 6 M20 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM20 on the right side, low version, 6-poles
70.350.0635.3	hood BAS GOT GG 6 M20 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M20 on the right side (IP54), low version, 6-poles
70.352.0635.0	hood BAS GOT GI 6 M20 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M20 on the top (IP54), low version, 6-poles
70.352.0635.1	hood BAS GOT GI 6 M20 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M20 on the top, low version, 6-poles
70.352.0635.2	hood BAS GOT GI 6 M20 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM20 on the top, low version, 6-poles
70.352.0635.3	hood BAS GOT GI 6 M20 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M20 on the top (IP54), low version, 6-poles
70.353.0635.0	hood BAS GOT GG 6 M25 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M25 on the right side (IP54), low version, 6-poles
70.353.0635.1	hood BAS GOT GG 6 M25 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M25 on the right side, low version, 6-poles
70.353.0635.2	hood BAS GOT GG 6 M25 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM25 on the right side, low version, 6-poles
70.353.0635.3	hood BAS GOT GG 6 M25 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M25 on the right side (IP54), low version, 6-poles
70.354.0635.0	hood BAS GOT GI 6 M25 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M25 on the top (IP54), low version, 6-poles
70.354.0635.1	hood BAS GOT GI 6 M25 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M25 on the top, low version, 6-poles
70.354.0635.2	hood BAS GOT GI 6 M25 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM25 on the top, low version, 6-poles
70.354.0635.3	hood BAS GOT GI 6 M25 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M25 on the top (IP54), low version, 6-poles
70.372.0635.0	hood BAS GOT GL 6 M20 50 A0	Hood revos basic made of aluminum, with single locking lever and cable gland M20 on the top - free cable connection (IP54), low version, 6-poles
70.372.0635.1	hood BAS GOT GL 6 M20 50 A1	Hood revos basic made of aluminum, with single locking lever and threaded hole M20 on the top - free cable connection, low version, 6-poles
70.372.0635.3	hood BAS GOT GL 6 M20 A3	Hood revos basic made of aluminum, with single locking lever and trumpet gland M20 on the top - free cable connection (IP54), low version, 6-poles
70.450.0637.1	hood BAS GOM GG 6 M20 B1	Hood revos basic metal-series without coating, for single locking lever with threaded hole M20 on the right side, low version, 6-poles

70.452.0637.1	hood BAS GOM GI 6 M20 B1	Hood revos basic metal-series without coating, for single locking lever with threaded hole M20 on the top, low version, 6-poles
73.350.0635.0	hood BAS GOT GG 6HM25 69 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M25 on the right side (IP54), high version, 6-poles
73.350.0635.1	hood BAS GOT GG 6HM25 69 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M25 on the right side, high version, 6-poles
73.351.0635.0	hood BAS GOT GH 6HM20 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M20 on the front (IP54), high version, 6-poles
73.351.0635.1	hood BAS GOT GH 6HM20 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M20 on the front, high version, 6-poles
73.351.0635.3	hood BAS GOT GH 6HM20 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M20 on the front (IP54), high version, 6-poles
73.352.0635.0	hood BAS GOT GI 6HM25 69 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M25 on the top (IP54), high version, 6-poles
73.352.0635.1	hood BAS GOT GI 6HM25 69 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M25 on the top, high version, 6-poles
73.352.0635.2	hood BAS GOT GI 6HM25 69 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM25 on the top, high version, 6-poles
73.352.0635.3	hood BAS GOT GI 6HM25 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M25 on the top (IP54), high version, 6-poles
73.353.0635.0	hood BAS GOT GG 6HM32 69 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M32 on the right side (IP54), high version, 6-poles
73.353.0635.1	hood BAS GOT GG 6HM32 69 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M32 on the right side, high version, 6-poles
73.353.0635.2	hood BAS GOT GG 6HM32 69 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM32 on the right side, high version, 6-poles
73.353.0635.3	hood BAS GOT GG 6HM32 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M32 on the right side (IP54), high version, 6-poles
73.354.0635.0	hood BAS GOT GI 6HM32 69 A0	Hood revos basic made of aluminum, for single locking lever with cable gland M32 on the top (IP54), high version, 6-poles
73.354.0635.1	hood BAS GOT GI 6HM32 69 A1	Hood revos basic made of aluminum, for single locking lever with threaded hole M32 on the top, high version, 6-poles
73.354.0635.2	hood BAS GOT GI 6HM32 69 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM32 on the top, high version, 6-poles
73.354.0635.3	hood BAS GOT GI 6HM32 A3	Hood revos basic made of aluminum, for single locking lever with trumpet gland M32 on the top (IP54), high version, 6-poles
70.320.0628.0	bottom BAS GUT GK 6 A	Bottom-base revos basic made of aluminum, with single locking lever, open, low version, 6-poles
70.325.0628.0	bottom BAS GUT GP 6 A	Bottom-base revos basic made of aluminum, with single locking lever and protective cover, open, low version, 6-poles
70.330.0635.0	bottom BAS GUT GL 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the right and left side (IP54), low version, 6-polig
70.330.0635.1	bottom BAS GUT GL 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the right and left side, low version, 6-polig
70.331.0635.0	bottom BAS GUT GM 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the left side (IP54), low version, 6-polig
70.331.0635.1	bottom BAS GUT GM 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the left side, low version, 6-polig
70.332.0635.0	bottom BAS GUT GN 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the right side (IP54), low version, 6-polig
70.332.0635.1	bottom BAS GUT GN 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the right side, low version, 6-polig
70.333.0635.0	bottom BAS GUT GO 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the bottom (IP54), low version, 6-polig

70.333.0635.1	bottom BAS GUT GO 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the bottom, low version, 6-polig
70.334.0635.0	bottom BAS GUT GL 6 M25 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the right and left side (IP54), low version, 6-polig
70.334.0635.1	bottom BAS GUT GL 6 M25 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the right and left side, low version, 6-polig
70.335.0635.0	bottom BAS GUT GM 6 M25 50 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the left side (IP54), low version, 6-polig
70.335.0635.1	bottom BAS GUT GM 6 M25 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the left side, low version, 6-polig
70.337.0635.1	bottom BAS GUT GO 6 M25 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the bottom, low version, 6-poles
70.340.0635.0	bottom BAS GUT GR 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the right and the left side, with protective cover (IP54), low version, 6-polig
70.340.0635.1	bottom BAS GUT GR 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the right and the left side, with protective cover, low version, 6-polig
70.341.0635.0	bottom BAS GUT GS 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the left side, with protective cover (IP54), low version, 6-polig
70.341.0635.1	bottom BAS GUT GS 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the left side, with protective cover, low version, 6-polig
70.342.0635.0	bottom BAS GUT GT 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the right side, with protective cover (IP54), low version, 6-polig
70.342.0635.1	bottom BAS GUT GT 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the right side, with protective cover, low version, 6-polig
70.343.0635.0	bottom BAS GUT GU 6 M20 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M20 on the bottom, with protective cover (IP54), low version, 6-polig
70.343.0635.1	bottom BAS GUT GU 6 M20 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M20 on the bottom, with protective cover, low version, 6-polig
70.420.0637.0	bottom BAS GUM GK 6 B	Bottom-base revos basic metal-series without coating, open, low version, 6-poles
70.425.0637.0	bottom BAS GUM GP 6 B	Bottom-base revos basic metal-series without coating, with single locking lever and protective cover, low version, 6-poles
70.430.0637.1	bottom BAS GUM GL 6 M20 B1	Bottom-base revos basic metal-series without coating, with single locking lever and threaded hole M20 on the right and left side, low version, 6-polig
70.431.0637.1	bottom BAS GUM GM 6 M20 B1	Bottom-base revos basic metal-series without coating, with single locking lever and threaded hole M20 on the left side, low version, 6-polig
70.440.0637.1	bottom BAS GUM GR 6 M20 B1	Bottom-base revos basic metal-series without coating, with single locking lever and threaded hole M20 on the right and the left side, with protective cover, low version, 6-polig
70.441.0637.1	bottom BAS GUM GS 6 M20 B1	Bottom-base revos basic metal-series without coating, with single locking lever and threaded hole M20 on the left side, with protective cover, low version, 6-polig
73.330.0635.0	bottom BAS GUT GL 6HM25 69 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the right and left side (IP54), high version, 6-polig

73.330.0635.1	bottom BAS GUT GL 6HM25 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the right and left side, high version, 6-polig
73.331.0635.0	bottom BAS GUT GM 6HM25 69 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the left side (IP54), high version, 6-polig
73.331.0635.1	bottom BAS GUT GM 6HM25 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the left side, high version, 6-polig
73.334.0635.0	bottom BAS GUT GL 6HM32 69 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M32 on the right and left side (IP54), high version, 6-polig
73.334.0635.1	bottom BAS GUT GL 6HM32 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M32 on the right and left side, high version, 6-polig
73.335.0635.1	bottom BAS GUT GM 6HM32 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M32 on the left side, high version, 6-polig
73.340.0635.0	bottom BAS GUT GR 6HM25 69 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the right and the left side, with protective cover (IP54), high version, 6-polig
73.340.0635.1	bottom BAS GUT GR 6HM25 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the right and the left side, with protective cover, high version, 6-polig
73.341.0635.0	bottom BAS GUT GS 6HM25 69 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the left side, with protective cover (IP54), high version, 6-polig
73.341.0635.1	bottom BAS GUT GS 6HM25 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the left side, with protective cover, high version, 6-polig
73.342.0635.0	bottom BAS GUT GT 6HM25 69 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the right side, with protective cover (IP54), high version, 6-polig
73.342.0635.1	bottom BAS GUT GT 6HM25 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M25 on the right side, with protective cover, high version, 6-polig
73.344.0635.1	bottom BAS GUT GR 6HM32 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M32 on the right and the left side, with protective cover, high version, 6-polig
73.345.0635.1	bottom BAS GUT GS 6HM32 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M32 on the left side, with protective cover, high version, 6-polig
73.346.0635.1	bottom BAS GUT GT 6HM32 69 A1	Bottom-base revos basic made of aluminum, with single locking lever and threaded hole M32 on the right side, with protective cover, high version, 6-polig
70.405.0653.0	female insert BAS BUP 6 2,5 50 AG	Female insert revos basic, 6-poles, rated current: 16A, rated voltage: 500V, with silver-plated contacts
70.100.0653.3	multipole adapter BAS BAS LL 6 4,0 50	Multipole adapter revos BASIC 500V/16A screw connection 6 pole + ground, long design, female insert, ground left
70.105.0653.3	multipole adapter BAS BAS LR 6 4,0 50	Multipole adapter revos BASIC 500V/16A screw connection 6 pole + ground, long design, female insert, ground right
70.105.0653.4	multipole adapter BAS BAS KR 6 4,0 50	Multipole adapter revos BASIC 500V/16A screw connection 6 pole + ground, short design, female insert, ground right
70.110.0653.4	multipole adapter BAS SAS KL 6 4,0 50	Multipole adapter revos BASIC 500V/16A screw connection 6 pole + ground, short design, male insert, ground left
70.101.0653.0	multipole adapter BAS BAF KL 6 2,5 50	Multipole adapter revos BASIC 500V/16A spring clamp connection 6 pole + ground, short design, female insert, ground left
70.106.0653.0	multipole adapter BAS BAF KR 6 2,5 50	Multipole adapter revos BASIC 500V/16A spring clamp connection 6 pole + ground, short design, female insert, ground right
70.300.0602.0	female insert BAS BUS 6 2,5 50 AG	Female insert revos basic, 6-poles, rated current: 16A, rated voltage: 500V, with silver-plated contacts

70.300.0640.0	female insert BAS BUS 6 2,5 50	Female insert revos basic, screw type, 6-poles, rated current: 16A, rated voltage: 500V, with tin-plated contacts
70.301.0640.0	female insert BAS BUS 6 2,5 50 AU	Female insert revos basic, 6-poles, rated current: 16A, rated voltage: 500V, with gold-plated contacts
70.302.0640.0	female insert BAS BUS OD 6 2,5 50	Female insert revos basic, 6-poles, rated current: 16A, rated voltage: 500V, with tin-plated contacts
70.472.0637.1	hood BAS GOM GL 6 M20 B1	Hood revos basic metal-series without coating, with single locking lever and threaded hole M20 on the top - free cable connection, low version, 6-poles
73.351.0635.2	hood BAS GOT GH 6HM20 A2	Hood revos basic made of aluminum, for single locking lever with nozzleM20 on the front, high version, 6-poles
70.337.0635.0	bottom BAS GUT GO 6 M25 A0	Bottom-base revos basic made of aluminum, with single locking lever and cable gland M25 on the bottom (IP54), low version, 6-poles

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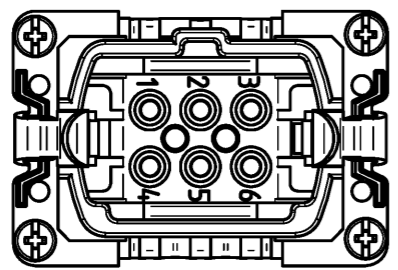
B These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

C Diese Maße werden bei Abnahme besonders geprüft
Ausschließlich Prüfmaße
Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig

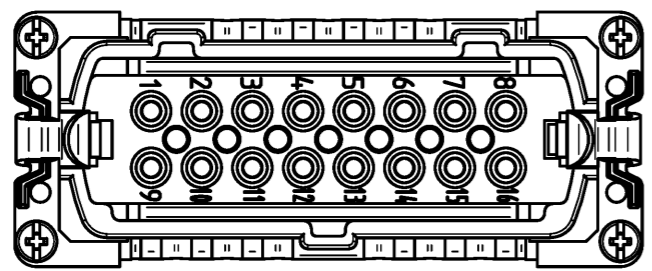
F

Kodieransichten Ausführung 6-/16-/24-polig
Coding view executing 6-/10-/24-pole

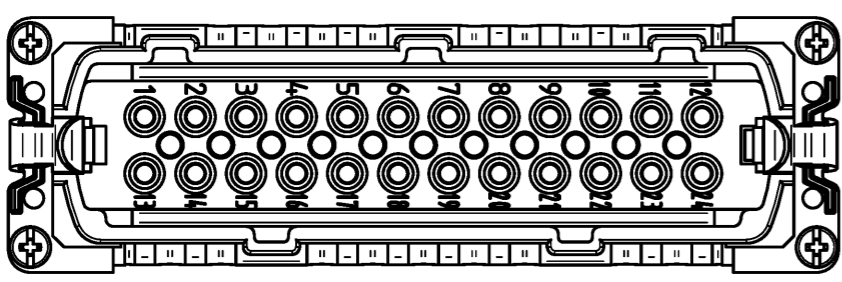
6-polig/6-pole
70.310.0640.0



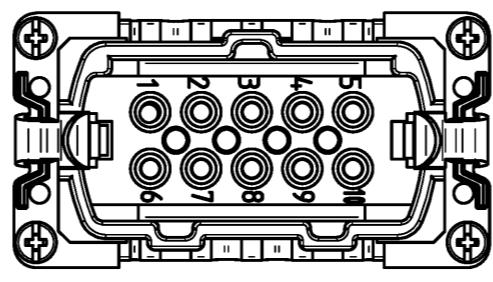
16-polig/16-pole
70.310.1640.0



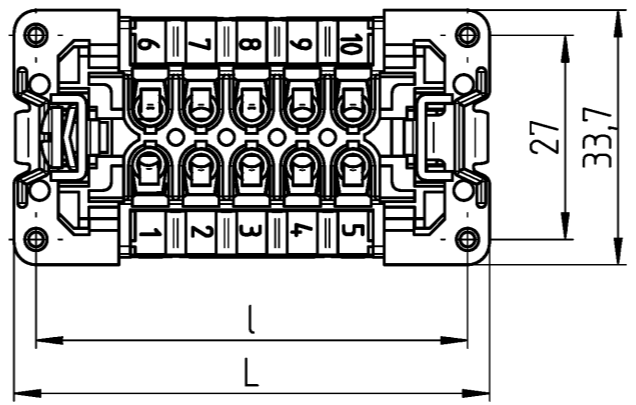
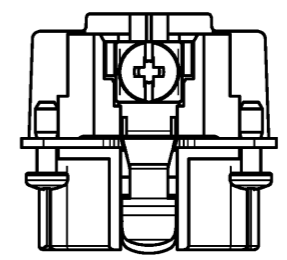
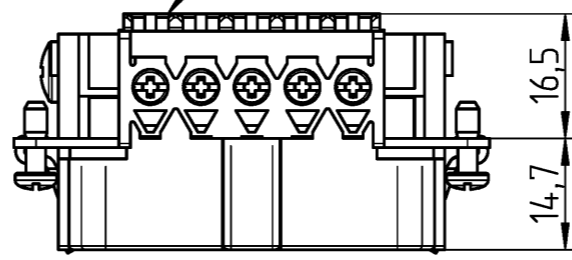
24-polig/24-pole
70.310.2440.0



10-polig/10-pole
70.310.1040.0



Farbe: kieselgrau
colour: pebble grey




Teile-Nr. part no.	Typ type	Polzahl pole	L	l
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 Size ISO 14405 © / Tolerance system Size ISO 14405 ©.
(This ISO-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

ja/yes Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach General tolerance CAD - Zeichnung, keine manuellen Änderungen CAD - drawing, no manual modifications allowed 1. Verwendung: First Use: Blatt: 1 von 1 Sheet: 1 of 1

Werkstoff / Material	Tag/Date	Name	Zeichnung Nr. / Drawing No.	Index
gezeichnet / drawn	20.07.2022	Lunz S.		
Maßstab / Scale	1:1		T 70.310.0640.0 13K	
Elektronische Freigabe / Electronic Release			Maße in mm / Dimensions are in mm	
Vol.	mm ³ / fl./Srf.	mm ²	Ersatz für / Replacement for: 70.310.0640.001K mit Index "c" vom 31.01.2017	
Index Datum / Blatt Date / Sheet		Benennung/Title		
Änderung / Revision		 Type: siehe Tabelle Benennung/Title: STECKEREINSATZ 2,5 qmm 500V 16A Schraubanschluss und Drahtschutz male insert screw connection with wire protection		