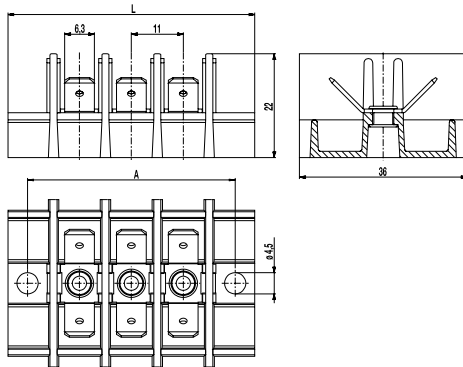
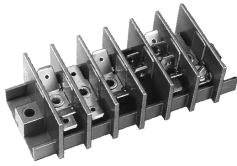


Tab/screw connector blocks

307-PC/-PCM

Star-shaped tab arrangement



L = (number of poles x pitch) + 8
 A = (number of poles + 1) x pitch
 Types of connection shown with packet B/6,3

These connectors, a combination of straight and angled tabs and screw terminals are especially used for grid connection of devices and in many other areas. They are in different pin configurations and designs available depending on the requirements.

The tabs are suitable for receptacles to DIN 46247 and assembled in packets containing multiple ports (maximum of 6 ports per pole) with a metal rivet which results in low contact resistance.

Due to the variable and extensive assembly combinations of the poles, a high packing density is achieved.

At the end of the connectors a fixing hole is provided. Flexible conductors may only be used with core cable ends and cable lugs.

At a mixed assembly, we ask for a sketch according to order illustration (please see page 2), especially for the orientation of asymmetric packets
 Due to the variety of designs, a total list of part numbers is not possible.

Information to the versions:

- ...PC: single level
- ...PCM: multi level

General Information

Pitch	11 mm
No. of poles	2 - 21

Technical Data

Clamping Range	<i>solid / flexible / AWG</i>		
	0,75-4 mm ² / 0,75-2,5 mm ² / 18-12 AWG [1] 0,5-1,5 mm ² / 0,5-1,5 mm ² / 20-16 AWG [2]		
Rated Cross Section	4 mm ² [1] / 1,5 mm ² [2]		
Wire Stripping Length	8 mm ± 0,5 mm		
Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	200 V	320 V	500 V
Rated Impulse Voltage	4 kV	4 kV	4 kV
Rated Current	6 A with receptacle for tabs 2,8 at a cross-section 1 mm ² 16 A with receptacle for tabs 4,8 at a cross-section 2,5 mm ² 25 A with receptacle for tabs 6,3 at a cross-section 6 mm ² Screw connector: max. 16 A depending on type		
Torque	1,2 Nm		
Other specifications	The screw terminals are generally suitable only for conductors with same cross section / type of wire.		

Material

Moulding	PC, grey, V-0
Comparative Tracking Index	CTI 250
Temperature Range	-40°C up to 125°C
Tab	Nickel plated brass, thickness 0,8 mm
Screw	M4; zinc plated steel, blue passivated
Tubular rivet	Tin plated copper

Approvals

	Current	Voltage	Group	AWG	Nm
	25	300	B	max. 12	[4][5]
	25	150	C	max. 12	[4][5]
	25	300	B	max. 10	[4]

Options / Accessories

- Marking strips BST-307
- Screw connections with spring washers, plain washers or lock washers
- Jumpers 307-V, 307-VS
- Single equipment tabs / Covers (not for all arrangements)
- Cross point screws and captive screws upon request
- Special arrangement versions, e.g. tabs 6,3 with solder tongue

[1] Screw connection

[2] SAK version

[3] 15 A max. for 307 / 4,8

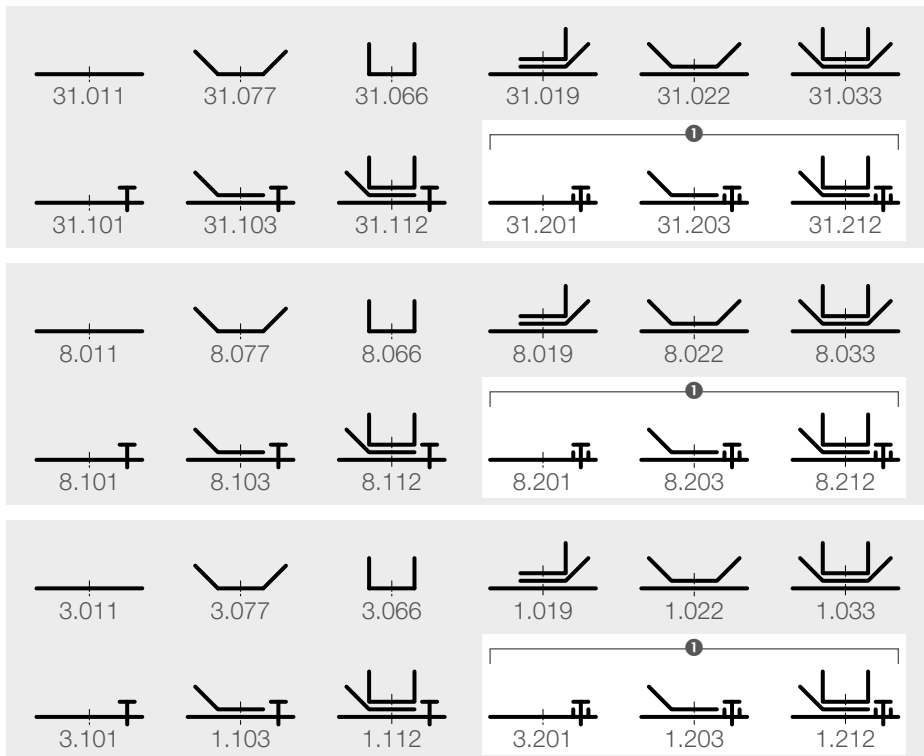
[4] Max. wire, for factory wiring only

Tab/screw connector blocks

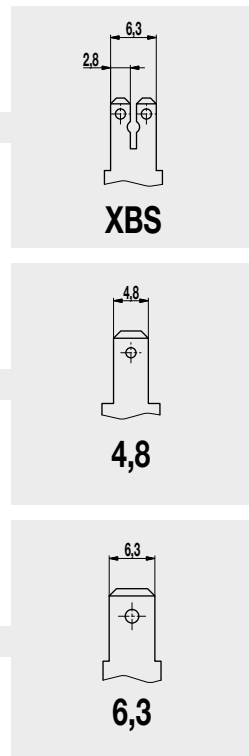
307-PC/-PCM

Connect arrangements and ordering information

Connect arrangements



Tab size



① These versions (SAK versions) are provided with metal flats on the side of the screw connection which ensure proper connection for smaller sections.

Poles
02
up to
21

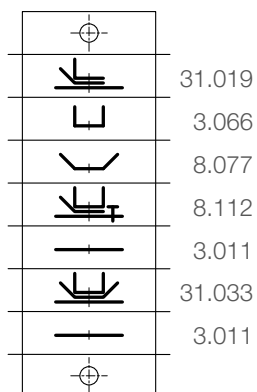
Connect arrangements
For uniform arrangements please indicate number.

For mixed connection arrangements please provide sketch and note here: **MIX**

307-PCM/ -

single level tabs (.011, .077, .066, .101, .201) only available as „PC“

Sample order sketch in case of „MIX“ arrangement



For enquiries or orders for terminals with standard components, please specify the above type designation.

For component mixes ("MIX" in the type designation), a drawing as shown in the example is additionally required (especially owing to the alignment of asymmetric component configurations). This drawing must show the required pole number and the components of each pole, including the component number.