

HSB SERIES

35A heavy-current connector



HSB SERIES Heavy-current inserts

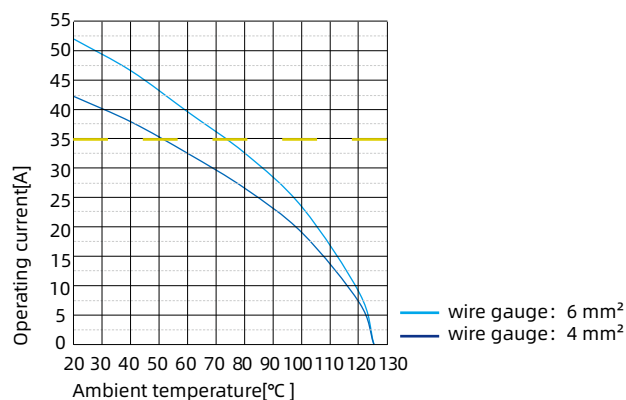
Technical characteristics

Technical characteristics	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	6,12+PE
Electrical data acc. to EN 61 984	
-Rated current	35A
-Rated voltage conductor - ground	400V
-Rated voltage conductor - conductor	690V
-Rated impulse voltage	6kV
-Pollution degree	3
-or	35A 500V 6kV 3
Rated voltage acc. to UL	600V
Insulation resistance	$\geq 10^{10}\Omega$
Material	polycarbonate
Limiting temperatures	-40°C ...+125°C
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥ 500
Contacts	
Material	copper alloy
Surface	hard-silver plated
Contact resistance	$\leq 1\text{m}\Omega$
Screw terminal	
- Wire gauge	1.5-6mm ²
- AWG	10
- Tightening torque	1.2Nm

Current carrying capacity

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

Control and test procedures according to DIN EN 60512-5



HSB-006 Heavy-current inserts

400/690V 35A 6+⏚



Inserts

Remark: SPQ is 5pcs

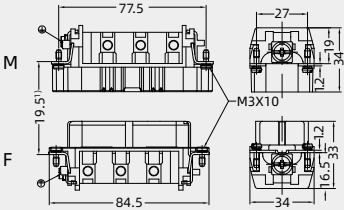
Hoods/Housings: size 16B, please find the details on page 15-70~15-107.1.

Screw terminal

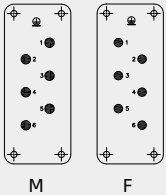
Insert	Designation	Order No.
Male	HSB-006-M	127 006 011 0001
Female	HSB-006-F	127 006 021 0001



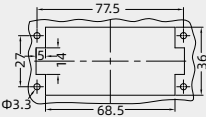
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



HSB-012 Heavy-current inserts

400/690V 35A 12+ 



Inserts

Remark: SPQ is 5pcs

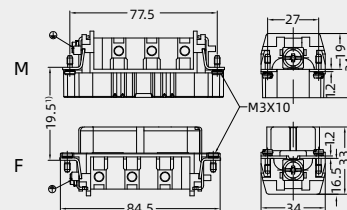
Hoods/Housings: size 32B, please find the details on page 15-151~15-159.

Screw terminal

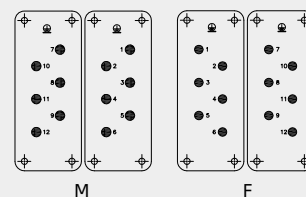


Insert	Designation	Order No.
Male	HSB-006-M	127 006 011 0001
	HSB-006-M(7-12)	127 006 011 0002
Female	HSB-006-F	127 006 021 0001
	HSB-006-F(7-12)	127 006 021 0002

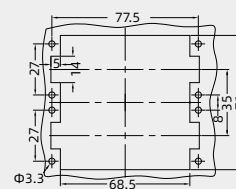
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



HSB-004/2 Heavy-current inserts(Quick-in)

Technical characteristics

Technical characteristics	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	4/2+PE
Electrical data acc. to EN 61 984	
-Rated current	40A/16A
-Rated voltage conductor - ground	690V/500V
-Rated impulse voltage	6kV/6kV
-Pollution degree	3
-Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Colour	RAL 7032(light grey)
Limiting temperatures	-40°C ...+125°C
Flammability acc. to UL 94	V0
Mating cycles	≥ 500
Contacts	
Terminial	spring terminal(Quick-in)
Material	copper alloy
Surface	hard-silver plated
Contact resistance	≤ 3mΩ
Wire gauge	0.5-2.5mm ² (20-14AWG) 0.5-6mm ² (20-10AWG)
Stripping length	12.5mm/12mm

HSB-004/2 Heavy-current inserts(Quick-in)

690/500V 40/16A 4/2+ 

Inserts

Remark: SPQ is 5pcs

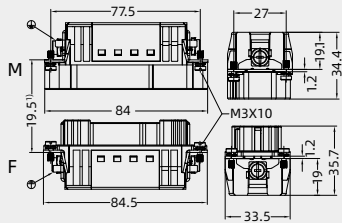
Hoods/Housings: size 16B, please find the details on page 15-70~15-1071.

Spring terminal(Quick-in)



Insert	Designation	Order No.
Male	HSB-004/2-MQ	127 006 001 0001
Female	HSB-004/2-FQ	127 006 002 0001

1) Distance for contact max. 21 mm



Contact arrangement view from termination side

