

Rectangular Connectors HBE Series

TECHNICAL DATA: INSERTS

Number of Contacts: 6, 10, 16, 24, 32, 48 (+PE)

Screw Termination & Crimp Termination:

Rated Voltage:	VDE: 500V EPIC HBE 6-48	UL: 600V EPIC HBE 6-48
	CSA: 600V EPIC HBE 6-48	SEV: 400V EPIC HBE 6-48

Rated Current:	VDE: 16A EPIC HBE 6-48	UL: 16A EPIC HBE 6-48
	CSA: 16A EPIC HBE 6-48	SEV: 16A EPIC HBE 6-48

Temperature Range: -40°C to 125°C

<u>Cage Clamp:</u>	VDE: 500V EPIC HBE 6-48	UL: 600V EPIC HBE 6-48
Rated Voltage:	CSA: 600V EPIC HBE 6-48	
	VDE: 16A EPIC HBE 6-48	UL: 16A EPIC HBE 6-48
Rated Current	CSA: 16A EPIC HBE 6-48	

Pollution Level: 3

Dimensioning Transient: 6 kV

	<u>mm²</u>	<u>AWG</u>
<u>Termination Type:</u>		
Screw Termination:	0.5 - 2.5 mm ²	20 - 14
Crimp Termination:	0.5 - 4.0 mm ²	20 - 12
Cage Clamp Termination:	0.5 - 2.5 mm ²	20 - 14

Contacts:

Screw Termination: Copper alloy, silver plated

Crimp Termination: Copper alloy, silver plated/ gold plated

Cage Clamp Termination: Copper alloy, silver plated

Mating Cycles: 100 (higher mating cycles depending on the application)

Contact Resistance:

Screw Termination: <2 mOhm

Crimp Termination: <2 mOhm

Cage Clamp termination: 1.5 - 4 mOhm

Terminal Block:

Number of Contacts: 6, 10, 16, 24, 32, 48

Rated Voltage:	VDE: 380V	UL: 600V
	CSA: 600V	SEV: 380V

Rated Current:	VDE: 16A	UL: 16A
	CSA: 16A	SEV: 16A

Pollution Level: 3

Test Voltage: 2.5 kV

Temperature Range: -40°C to 100°C

Screw Termination: 0.5 - 2.5 mm²

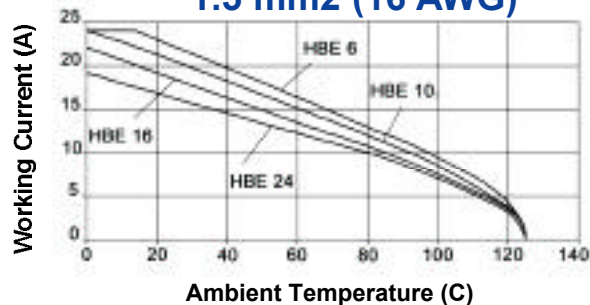
Contacts: Copper alloy, silver plated

Mating Cycles: 100 (higher mating cycles depends on the application)

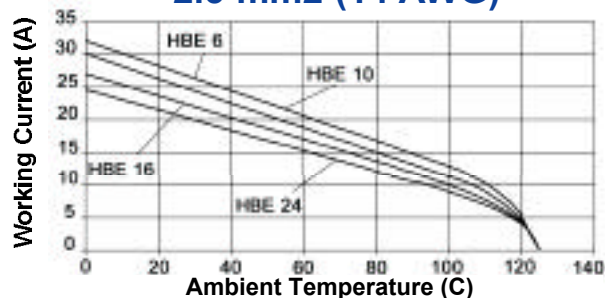
Rectangular Connectors HBE Series

TECHNICAL DATA: DERATING CURVES

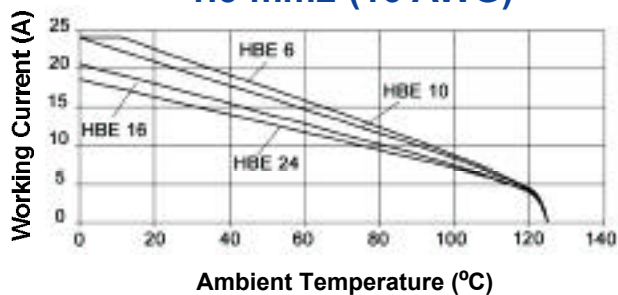
**HBE SCREW TERMINATED:
1.5 mm² (16 AWG)**



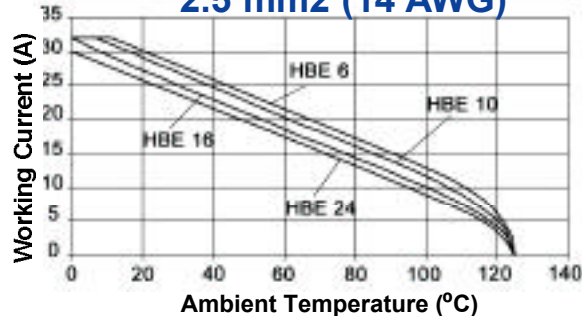
**HBE SCREW TERMINATED:
2.5 mm² (14 AWG)**



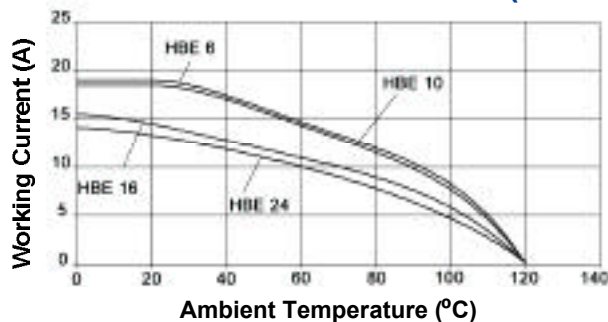
**HBE CRIMP TERMINATED:
1.5 mm² (16 AWG)**



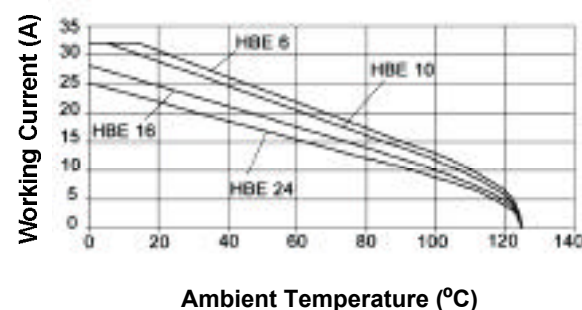
**HBE CRIMP TERMINATED:
2.5 mm² (14 AWG)**



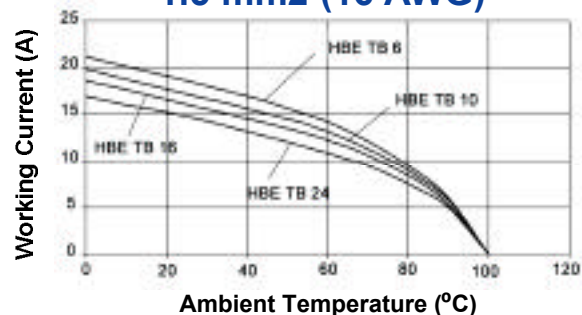
HBE CAGE CLAMP: 1.5 mm² (16 AWG)



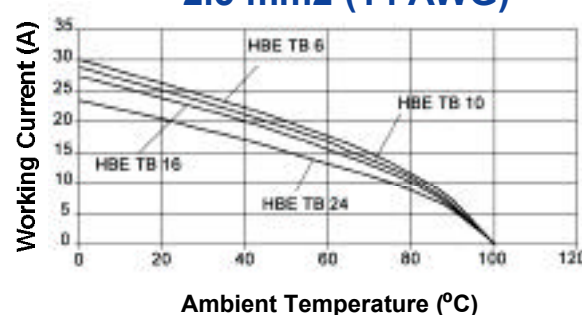
HBE CAGE CLAMP: 2.5 mm² (14 AWG)



**HBE TERMINAL BLOCK:
1.5 mm² (16 AWG)**



**HBE TERMINAL BLOCK:
2.5 mm² (14 AWG)**



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TECHNICAL DATA: HOUSINGS

Specifications: DIN 43652
Temperature Range: -40°C to +125°C
Protection class: NEMA 4, IP65
Material: HBE 6 -48: aluminum alloy, powder coated

STANDARD GREY COATING (NEMA 4)

PG



NPT



METRIC



HBE 6 - 48: aluminum alloy, powder coated (grey), locking levers and bolts made of zinc plated steel.

For industrial applications in demanding environments.

BLACK COATING (NEMA 4X)

PG



NPT



METRIC



HBE 6 - 48 EP: Environmentally Protected: aluminum alloy, powder coated (black), locking levers and bolts made of stainless steel.

For industrial applications in extremely demanding environments with aggressive atmospheres.

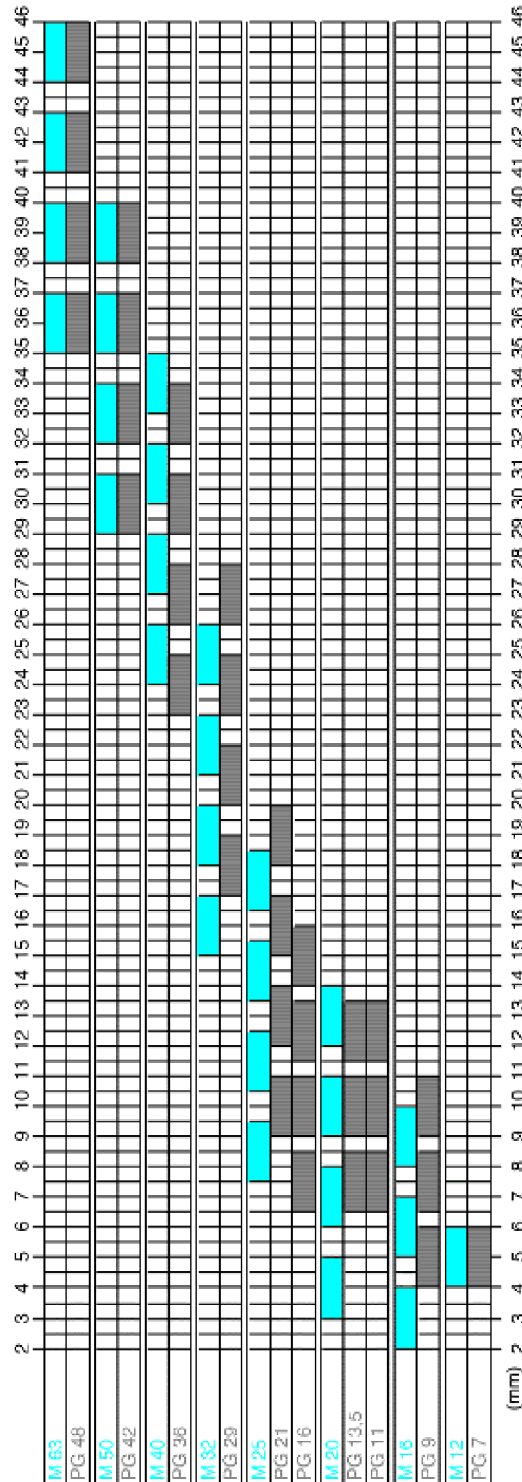
NEMA 4X (IP 68)

www.contactelectronics.com
800-221-1451

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TECHNICAL DATA: HOUSINGS

**Comparison of the thread dimensions for split seals
of PG thread (DIN 46320)/ Metric thread**

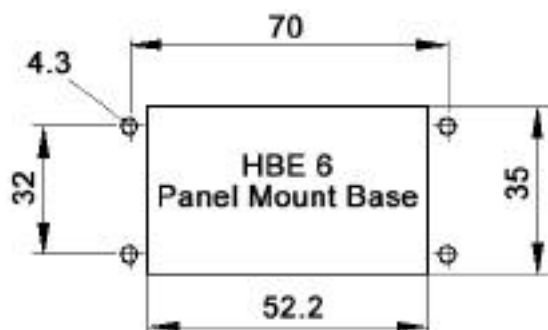


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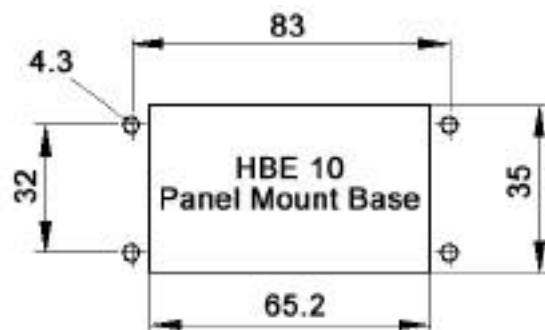
PANEL CUT-OUTS FOR PANEL MOUNT BASES

All dimensions are in mm.

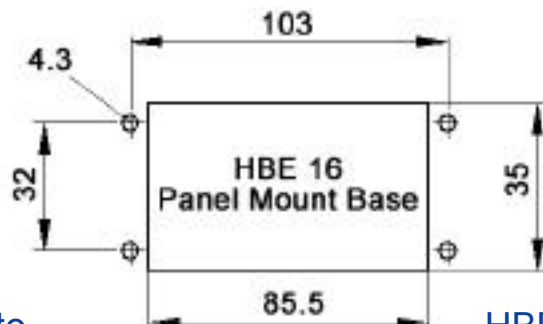
HBE 6 Inserts fit into



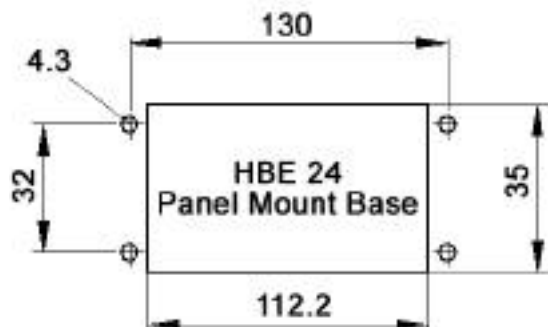
HBE 10 Inserts fit into



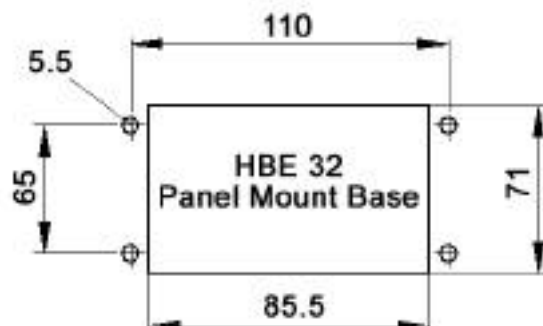
HBE 16 Inserts fit into



HBE 24 Inserts fit into



HBE 32 Inserts fit into



HBE 48 Inserts fit into

