

# Rectangular Connectors HD Series

## TECHNICAL DATA

### **Crimp Inserts:**

**Number of Contacts:** 7, 8, 15, 16, 24, 25, 40, 50, 64, 80, 128(+PE)

**Rated Voltage:** VDE: 42/250V EPIC HD 7-8  
250V EPIC HD 15-128

UL: 600V EPIC HD 7-128

SEV: 250V EPIC HD 7-128

**Rated Current:** VDE: 10A EPIC HD 7-128

UL: 10A EPIC HD 7-128

SEV: 10A EPIC HD 7-128

**Pollution Level:** 3

**Test Voltage:** 2.5 kV

**Termination Type:** Crimp termination: 0.14 - 2.5 mm<sup>2</sup>  
AWG: 22 - 14

**Temperature Range:** -40°C to 125°C

**Contacts:** Copper alloy, silver plated/ gold plated

**Contact Resistance:** <2mOhm

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

### **Terminal Block Inserts:**

**Number of Contacts:** 16, 24, 40, 64 (+PE)

**Rated Voltage:** VDE: 250V

UL: 600V

CSA: 600V

SEV: 250V

**Rated Current:** VDE: 10A

UL: 7A

CSA: 10A

SEV: 10A

**Pollution Level:** 3

**Test Voltage:** 2.5 kV

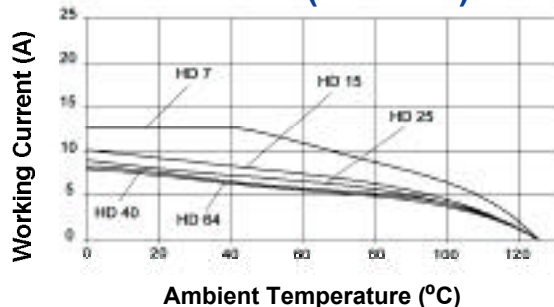
**Termination Type:** Screw: 0.5 - 1.5 mm<sup>2</sup>

**Temperature Range:** -40°C to 115°C

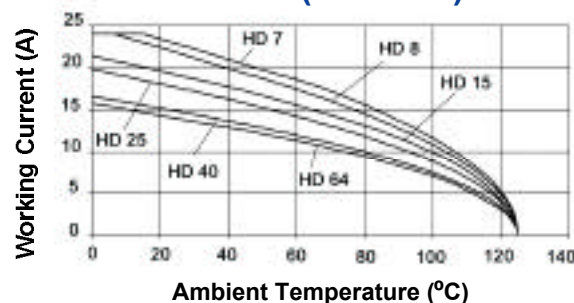
**Contacts:** Copper alloy, tin plated

## TECHNICAL DATA: DERATING CURVES

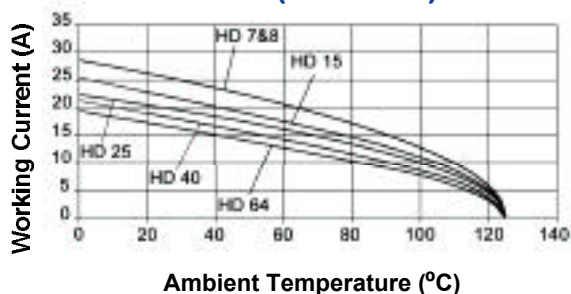
### HD STAMPED & FORMED: 0.5 mm<sup>2</sup> (20 AWG)



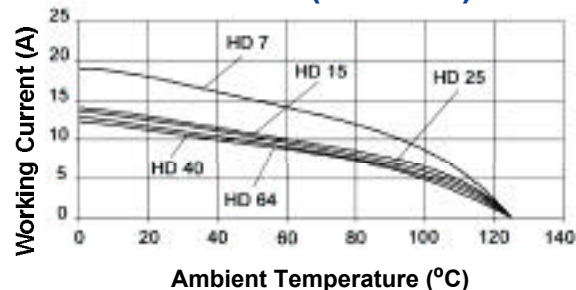
### HD CRIMP MACHINED: 1.5 mm<sup>2</sup> (16 AWG)



### HD CRIMP MACHINED: 2.5 mm<sup>2</sup> (14 AWG)



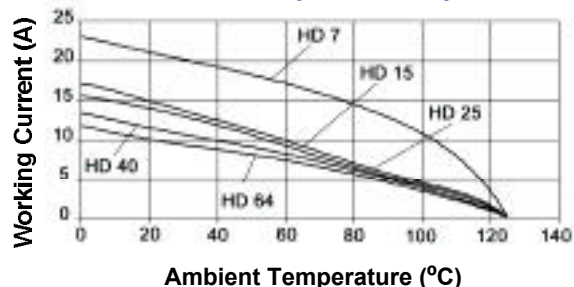
### HD STAMPED & FORMED: 1.5 mm<sup>2</sup> (16 AWG)



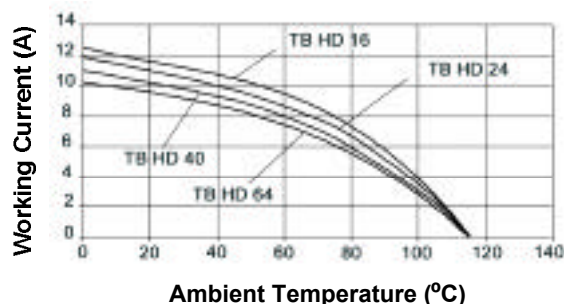
# Rectangular Connectors HD Series

## TECHNICAL DATA: DERATING CURVES

**HD STAMPED & FORMED:  
2.5 mm<sup>2</sup> (14 AWG)**



**HD TB: 1.5 mm<sup>2</sup> (16 AWG)**



## TECHNICAL DATA: HOUSINGS

### HA SERIES HOUSINGS PANEL CUT-OUTS

#### Housings:

#### Specifications:

DIN 43652

#### Temperature Range:

-40°C to +125°C

#### Protection class:

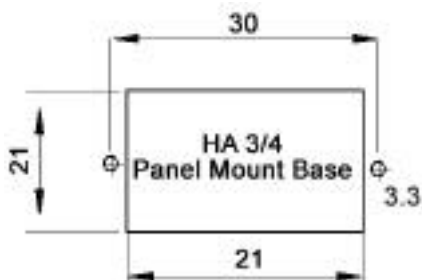
IP65: HA 3, 10, 16

#### Material:

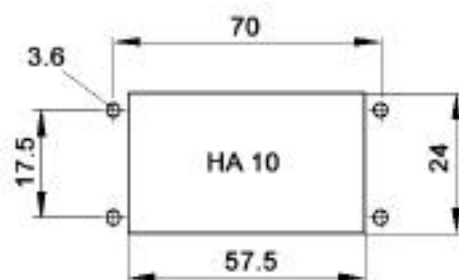
HA 3: Die cast zinc, powder coated/ Thermoplast, flame retardant material rated UL 94 V-0  
HA 10-48: aluminum alloy, powder coated

### PANEL CUT-OUTS FOR PANEL MOUNT BASES

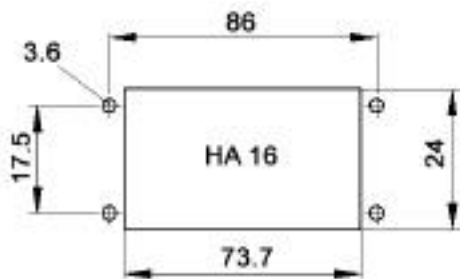
HD 7/8 Inserts fit into



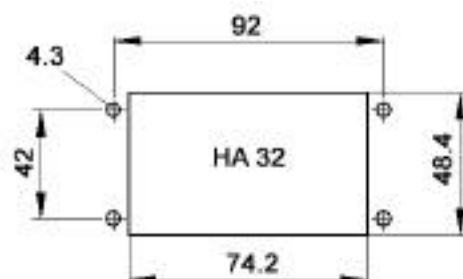
HD 15 Inserts fit into



HD 25 Inserts fit into



HD 50 Inserts fit into



All dimensions are in mm.

# Rectangular Connectors HD Series

## TECHNICAL DATA: HOUSINGS

### Housings:

#### Specifications:

DIN 43652

#### Temperature Range:

-40°C to +125°C

#### Protection class:

IP 65: HA 3, 10, 16, 32, 48

#### Material:

HA 3: Die cast zinc, powder coated/ Thermoplast, flame retardant material rated UL 94 V-0

HA 10-48: aluminum alloy, powder coated

### STANDARD GREY COATING (NEMA 4)

#### PG



#### NPT



#### METRIC



DIN 50262

**HA 3/4:** Die cast zinc, powder coated (Grey)

Thermoplast, flame retardant material rated UL 94 V-0 (Grey or Black Plastic).

#### PG



#### NPT



#### METRIC



DIN 50262

**HA 10 - 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



DIN 50262

**EP:** Environmentally Protected:

HA 10 - 48: aluminum alloy, powder coated (black), locking levers and bolts made of stainless steel.

For industrial applications in extremely demanding environments with aggressive atmospheres.

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800-221-1451

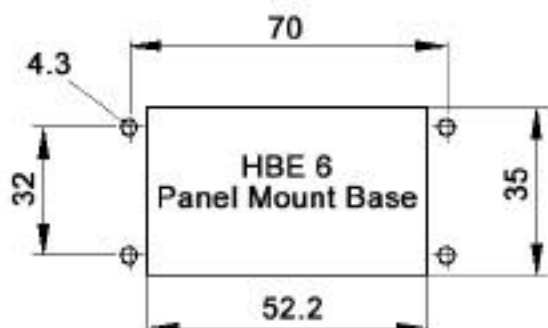
# Rectangular Connectors HD Series

## TECHNICAL DATA: HOUSINGS

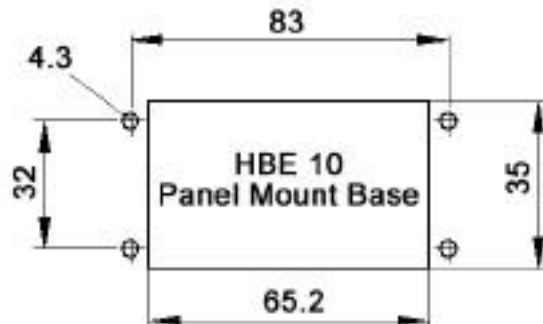
<b>Specifications:</b>	DIN 43652
<b>Temperature Range:</b>	-40°C to +125°C
<b>Protection class:</b>	NEMA 4, IP 65
<b>Material:</b>	HBE 6 -48: aluminum alloy, powder coated

### PANEL CUT-OUTS FOR PANEL MOUNT BASES

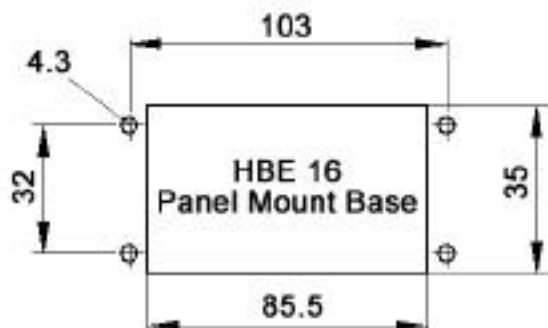
HD 16 Inserts fit into



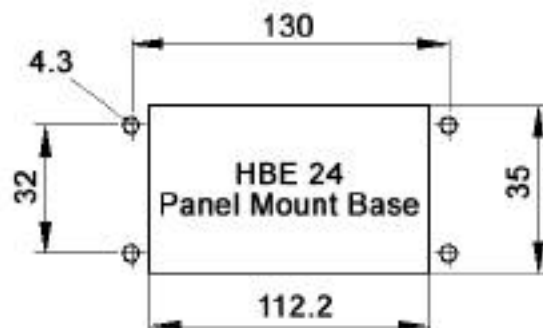
HD TB 24 Inserts fit into



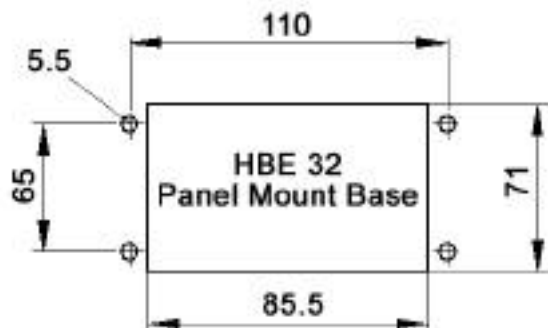
HD 40/HD TB 16 Inserts fit into



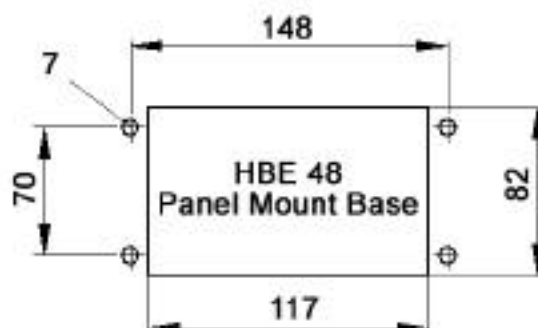
HD 64 Inserts fit into



HD 80 Inserts fit into



HD 128 Inserts fit into



All dimensions are in mm.

# Rectangular Connectors HD Series

## TECHNICAL DATA: HOUSINGS

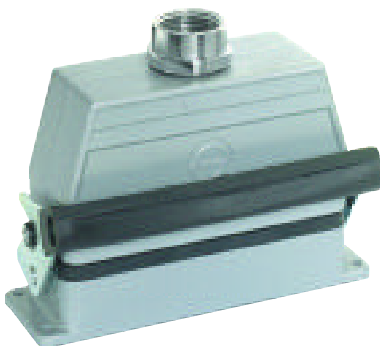
<b>Specifications:</b>	DIN 43652
<b>Temperature Range:</b>	-40°C to +125°C
<b>Protection class:</b>	IP65
<b>Material:</b>	HBE 6 -48: aluminum alloy, powder coated

### 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

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