

## Technical Information

### A Series

#### Specifications

DIN VDE 0627/86	DIN VDE 0627/86
DIN VDE 0110/02.79	DIN VDE 0110/02.79
DIN VDE 0110-1/04.97	DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512	IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, EZU, SEV

#### Inserts

**Contacts (+ Ground)** 3, 4, 10, 16, 32 (2 x 16)

**Working Current** A3, A4 @ 10 A max.  
A10-A32 @ 16 A max.

**Rated Voltage** 600 VAC

**Test Voltage** 4 kV eff.

**Pollution Degree** 3

**Material** Glass-filled thermoplastic

**Temperature Range** -40°C/-40°F to +125°C /+257°F

**Flammability** UL94 V-0

#### Contacts

**Material** Solid drilled copper alloy  
**Surface** Hard silver plated  
Hard gold plated available

**Contact Resistance** ≤ 1 milliohm

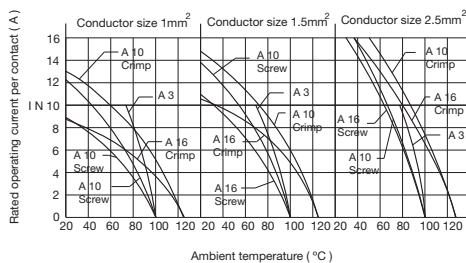
**Screw Terminals** Wire AWG 20-14 AWG (0.5-2.5 mm<sup>2</sup>)

+ with Wire Protection  
**Crimp Terminals** 20-12 AWG (0.5-2.5 mm<sup>2</sup>)

#### Housings

**Materials** Die-cast aluminum alloy  
**EPDM Seal Gaskets** Epoxy powder-coat finish  
**Locking Mechanisms** @ A3, 4, 10, 16  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Internal Protection** A3,4: IP44 A10, 16, 32: IP65  
per DIN VDE 0470, IEC 529

**Thermal Capacity** per DIN/IEC 512



### B Series

#### Specifications

DIN VDE 0627/86
DDIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, EZU, SEV

#### Inserts

**Contacts (+ Ground)** 6, 10, 16, 24, 32 (2 x 16), 48 (2 x 24)

**Working Current** 16 A max.

**Rated Voltage** 600 VAC

**Test Voltage** 3 kV eff.

**Pollution Degree** 3

**Material** Glass-filled thermoplastic

**Temperature Range** -40°C/-40°F to +125°C /+257°F

**Flammability** UL94 V-0

#### Contacts

**Material** Solid drilled copper alloy  
**Surface** Hard silver plated  
Hard gold plated available

**Contact Resistance** ≤ 1 milliohm

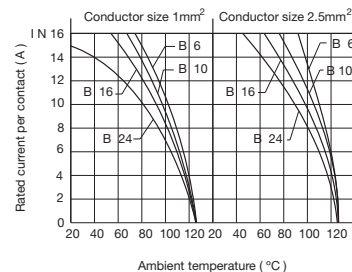
**Screw Terminals** Wire AWG 20-14 AWG (0.5-2.5 mm<sup>2</sup>)

+ with Wire Protection  
**Crimp Terminals** 20-12 AWG (0.5-2.5 mm<sup>2</sup>)

#### Housings

**Materials** Die-cast aluminum alloy  
**EPDM Seal Gaskets** Epoxy powder-coat finish  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Internal Protection** IP65 locked positions  
per DIN VDE 0470, IEC 529

**Thermal Capacity** per DIN/IEC 512



## Technical Information

### C Series

#### Specifications

DIN VDE 0627/86	DIN VDE 0627/86
DIN VDE 0110/02.79	DIN VDE 0110/02.79
DIN VDE 0110-1/04.97	DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512	IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, ECU, SEV

#### Inserts

<b>Contacts (+ Ground)</b>	6, 12 (2 x 6)
<b>Working Current</b>	35 A
<b>Rated Voltage</b>	600 VAC
<b>Test Voltage</b>	3 kV eff.
<b>Pollution Degree</b>	3
<b>Material</b>	Glass-filled thermoplastic
<b>Temperature Range</b>	-40°C/-40°F to +125°C /+257°F
<b>Flammability</b>	UL94 V-0

#### Contacts

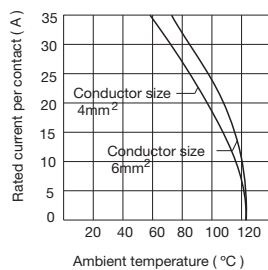
<b>Material</b>	Solid drilled copper alloy
<b>Surface</b>	Hard silver plated Hard gold plated available
<b>Contact Resistance</b>	≤ 0.5 milliohm
<b>Screw Terminals</b>	Wire AWG
+ with Wire Protection	20–10 AWG (0.5–6.0 mm <sup>2</sup> )
+ w/o Wire Protection	n/a

#### Housings

<b>Materials</b>	Die-cast aluminum alloy
<b>EPDM Seal Gaskets</b>	Epoxy powder-coat finish
<b>Temperature Range</b>	-40°C/-40°F to +125°C /+257°F
<b>Internal Protection</b>	IP65 locked positions per DIN VDE 0470, IEC 529

#### Thermal Capacity

per DIN/IEC 512



### D Series

#### Specifications

DIN VDE 0627/86	DIN 43652
DDIN VDE 0110/02.79	
DIN VDE 0110-1/04.97	
IEC 60-664-1, DIN/IEC 512	

#### Approvals



MEIE, ECU, SEV

#### Inserts

<b>Contacts (+ Ground)</b>	7, 8, 15, 25, 40, 50 (2 x 25) 64, 80 (2 x 40), 128 (2 x 64)
<b>Working Current</b>	10 A
<b>Rated Voltage</b>	600 VAC
<b>Test Voltage</b>	4 kV eff.
<b>Pollution Degree</b>	3
<b>Material</b>	Glass-filled thermoplastic
<b>Temperature Range</b>	-40°C/-40°F to +125°C /+257°F
<b>Flammability</b>	UL94 V-0

#### Contacts

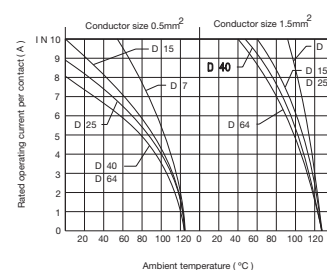
<b>Material</b>	Solid drilled copper alloy
<b>Surface</b>	Hard silver plated Hard gold plated available
<b>Contact Resistance</b>	≤ 3 milliohm
<b>Crimp Terminals</b>	Wire AWG
	26–14 AWG (0.142–2.5 mm <sup>2</sup> )
	POF {0} 1mm
	> Glass Fiber Optic Cable

#### Housings

<b>Materials</b>	Die-cast aluminum alloy
<b>EPDM Seal Gaskets</b>	Epoxy powder-coat finish
<b>Temperature Range</b>	-40°C/-40°F to +125°C /+257°F
<b>Internal Protection</b>	IP65 locked positions per DIN VDE 0470, IEC 529

#### Thermal Capacity

per DIN/IEC 512



## Technical Information

### DD Series

#### Specifications

DIN VDE 0627/86  
DIN VDE 0110/02.79  
DIN VDE 0110-1/04.97  
IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, EZU, SEV

#### Inserts

**Contacts (+ Ground )** 24, 42, 72, 108, 144 (2 x 72)  
**Working Current** 216 (2 x 108)  
10 A  
**Rated Voltage** 600 VAC  
**Test Voltage** 2 kV eff.  
**Pollution Degree** 3  
**Material** Glass-filled thermoplastic  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Flammability** UL94 V-0

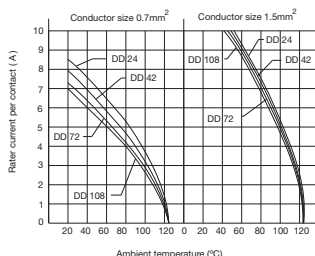
#### Contacts

**Material** Solid drilled copper alloy  
**Surface** Hard silver plated  
Hard gold plated available  
**Contact Resistance** ≤ 3 milliohm  
**Crimp Terminals** Wire AWG  
26–14 AWG (0.14–2.5mm<sup>2</sup>)  
> Glass Fiber Optic Cable POF (Ø) 1 mm

#### Housings

**Materials** Die-cast aluminum alloy  
**EPDM Seal Gaskets** Epoxy powder-coat finish  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Internal Protection** IP65 locked positions  
per DIN VDE 0470, IEC 529

#### Thermal Capacity



### K Series

#### Specifications

DIN VDE 0627/86 VDE 0113/1.73-10.1.3  
DDIN VDE 0110/4  
VDE 0100/5.73-42a  
IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, EZU, SEV

#### Inserts

**Contacts (+ Ground )** 8 (16 A) + 4 (80 A)  
16 (16 A) + 8 (80 A)  
**Working Current** 16 A and 80 A dual  
**Rated Voltage** 600 VAC  
**Test Voltage** 2 kV eff.  
**Pollution Degree** 3  
**Material** Glass-filled thermoplastic  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Flammability** UL94 V-0

#### Contacts

**Material** Solid drilled copper alloy  
**Surface** Hard silver plated  
Hard gold plated available  
**Contact Resistance** ≤ 1 milliohm  
**Screw Terminals** Wire AWG  
+ with Wire Protection (16A) 20–14 AWG (0.5–2.5 mm<sup>2</sup>)  
**(80A Contacts)** 18–4 AWG (1.5–16.0 mm<sup>2</sup>)

#### Housings

**Materials** Die-cast aluminum alloy  
**EPDM Seal Gaskets** Epoxy powder-coat finish  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Internal Protection** IP65 locked positions  
per DIN VDE 0470, IEC 529

## Technical Information

### V Series

#### Specifications

DIN VDE 0627/86  
DIN VDE 0110/02.79  
DIN VDE 0110-1/04.97  
IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, EZU, SEV

#### Inserts

**Contacts (+ Ground )** 3, 6, 10, 16, 20 (2 x 10)  
26 (10+16), 32 (2 x 16)  
**Working Current** 16 A max.  
**Rated Voltage** 600 VAC; switch contacts 400 VAC  
**Test Voltage** 3 kV eff.  
**Pollution Degree** 3  
**Material** Glass-filled thermoplastic  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Flammability** UL94 V-0

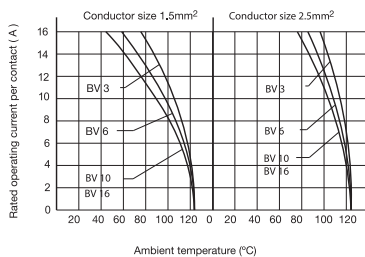
#### Contacts

**Material** Solid drilled copper alloy  
**Surface** Hard silver plated  
Hard gold plated available  
**Contact Resistance** ≤ 1 milliohm  
**Screw Terminals** Wire AWG  
+ with Wire Protection 20–14 AWG (0.5–2.5 mm<sup>2</sup>)  
**Crimp Terminals** 20–12 AWG (0.5–2.5 mm<sup>2</sup>)

#### Housings

**Materials** Die-cast aluminum alloy  
**EPDM Seal Gaskets** Epoxy powder-coat finish  
**Temperature Range** -40°C/-40°F to +125°C /+257°F  
**Internal Protection** IP65 locked positions  
per DIN VDE 0470, IEC 529

#### Thermal Capacity



### T Series

#### Specifications

DIN VDE 0627/86  
DDIN VDE 0110/02.79  
DIN VDE 0110-1/04.97  
IEC 60-664-1, DIN/IEC 512

#### Approvals



MEIE, EZU, SEV

#### Inserts

**Contacts (+ Ground )** 6, 10, 16, 24  
**Working Current** 16 A max.  
**Rated Voltage** 600 VAC; switch contacts 400 VAC  
**Test Voltage** 3 kV eff.  
**Pollution Degree** 3  
**Material** Hi-temp thermoplastic  
**Temperature Range** -40°C/-40°F to +200°C /+392°F  
**Flammability** UL94 V-0

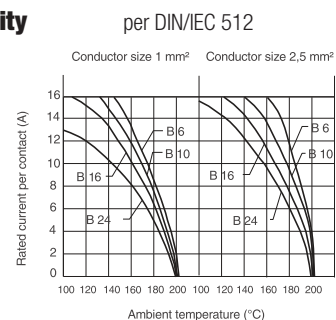
#### Contacts

**Material** Solid drilled copper alloy  
**Surface** Hard silver plated  
Hard gold plated available  
**Contact Resistance** ≤ 1 milliohm  
**Screw Terminals** Wire AWG  
+ with Wire Protection 20–14 AWG (0.5–2.5 mm<sup>2</sup>)

#### Housings

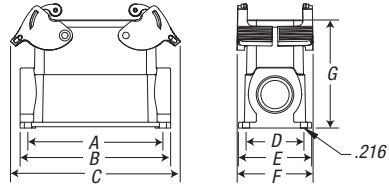
**Materials** Copper-free die-cast aluminum alloy  
**Viton® Seal Gaskets** Green epoxy powder coating  
**Temperature Range** -40°C/-40°F to +200°C /+392°F  
**Internal Protection** IP65 locked positions  
per DIN VDE 0470, IEC 529

#### Thermal Capacity

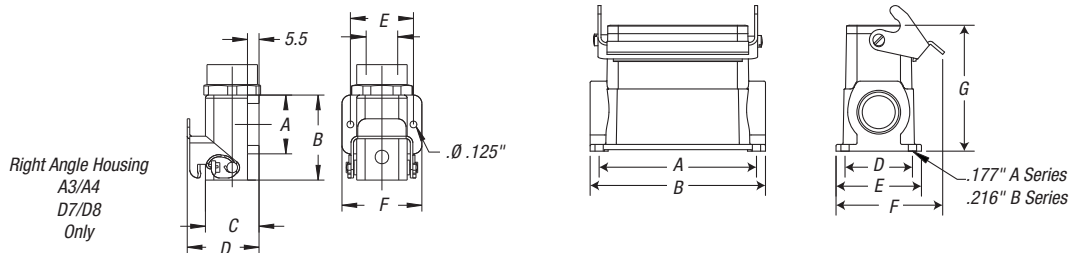


## Technical Information

### Mounting Dimensions for Double Lever Box Bases



Housing Series					Dimensions are in inches (millimeters)						
A, B, T, K	C, V	D	DD	Cat. No.	A	B	C	D	E	F	G
A32	D50			BB_32A__	3.70 (94)	4.17 (106)	5.04 (128)	1.81 (46)	2.20 (56)	2.76 (70)	3.40 (86.5)
B10, T10	V3		DD42	BB_10E	3.23 (82)	3.66 (93)	4.33 (110)	1.57 (40)	2.05 (52)	2.28 (58)	2.05 (52)
				BB_10EH__	3.23 (82)	3.66 (93)	4.33 (110)	1.77 (45)	2.24 (57)	2.28 (58)	2.92 (74)
B16, T16	C6, V6	D40	DD72	BB_16E	4.13 (105)	4.61 (117)	5.16 (131)	1.77 (45)	2.24 (57)	2.28 (58)	2.68 (68)
				BB_16EH__	4.13 (105)	4.61 (117)	5.16 (131)	1.77 (45)	2.24 (57)	2.28 (58)	3.31 (84)
B24, T24,	V10, V16	D64	DD108	BB_24E	5.20 (132)	5.67 (144)	6.18 (157)	1.77 (45)	2.24 (57)	2.28 (58)	2.68 (68)
K12				BB_24EH__	5.20 (132)	5.67 (144)	6.18 (157)	1.77 (45)	2.24 (57)	2.28 (58)	3.31 (84)
B32	C12	D80	DD144	BB_32E	4.41 (112)	4.88 (112)	5.28 (134)	2.64 (67)	3.20 (81.5)	3.62 (92)	2.83 (72)

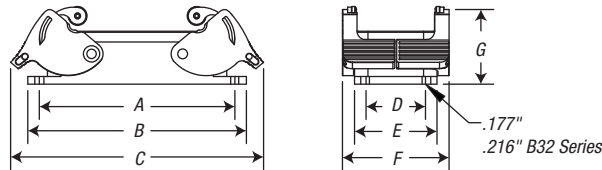


Housing Series					Dimensions are in inches (millimeters)						
A, B, T, K	C, V	D	DD	Cat. No.	A	B	C	D	E	F	G
A3, A4		D7, D8		BB403A(P)*	1.10 (28)	1.59 (40.5)	1.00 (25.5)	1.42 (36)	1.18 (30)	1.50 (38)	—
A10		D15		BB_10A	1.89 (48)	—	3.66 (93)	1.57 (40)	1.97 (50)	2.32 (59)	2.05 (52)
A16		D25		BB_16A	2.52 (64)	—	4.29 (109)	1.57 (40)	1.97 (50)	2.32 (59)	2.24 (57)
B6, T6			DD24	BB_06	2.76 (70)	3.31 (84)	—	1.57 (40)	2.05 (52)	2.72 (69)	2.05 (52)
				BB_06H075	2.76 (70)	3.31 (84)	—	1.77 (45)	2.24 (57)	2.72 (69)	2.92 (74)
				BB_06H100	2.76 (70)	3.31 (84)	—	1.77 (45)	2.24 (57)	2.72 (69)	2.92 (74)
B10, T10	V3		DD42	BB_10	3.23 (82)	3.66 (93)	—	1.57 (40)	2.05 (52)	2.80 (71)	2.05 (52)
				BB_10H0753	3.23 (82)	3.66 (93)	—	1.77 (45)	2.24 (57)	2.80 (71)	2.92 (74)
				BB_10H100	3.23 (82)	3.66 (93)	—	1.77 (45)	2.24 (57)	2.80 (71)	2.92 (74)
B16, T16	C6, V6	D40	DD72	BB_16	4.13 (105)	4.61 (117)	—	1.77 (45)	2.24 (57)	2.91 (74)	2.68 (68)
				BB_16H__	4.13 (105)	4.61 (117)	—	1.77 (45)	2.24 (57)	2.91 (74)	3.31 (84)
B24, T24	V10, V16	D64	DD108	BB_24	5.20 (132)	5.67 (144)	—	1.77 (45)	2.24 (57)	2.91 (74)	2.68 (68)
K12				BB_24H__	5.20 (132)	5.67 (144)	—	1.77 (45)	2.24 (57)	2.91 (74)	3.31 (84)
B48, K24,	V20, V26	D128	DD216	BB_48	4.37 (111)	5.71 (145) V32	—	4.17 (106)	4.72 (120)	6.18 (157)	3.94 (100)

\* Suffix: A — Aluminum, P — Plastic

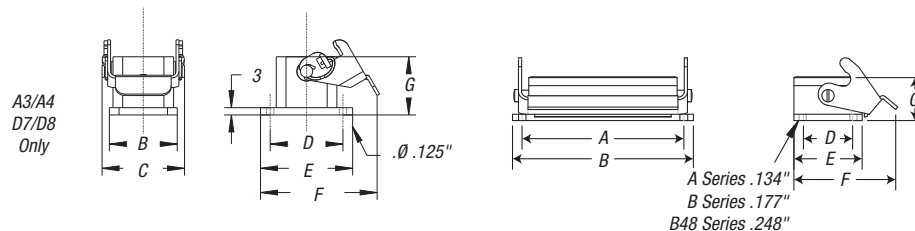
## Technical Information

### Mounting Dimensions for Double Lever Panel Bases



Housing Series					Dimensions are in inches (millimeters)						
A, B, T, K	C, V	D	DD	Cat. No.	A	B	C	D	E	F	G
A32	D50			<b>PB132A</b>	3.62 (92)	4.02 (102)	5.04 (128)	1.65 (28)	2.24 (57)	2.76 (70)	1.10 (28)
B10, T10	V3		DD42	<b>PB110E</b>	3.27 (83)	3.66 (93)	4.33 (110)	1.26 (32)	1.69 (43)	2.28 (58)	1.06 (27)
B16, T16	C6, V6	D40	DD72	<b>PB116E</b>	4.05 (103)	4.49 (114)	5.16 (131)	1.26 (32)	1.69 (43)	2.28 (58)	1.06 (27)
B24, T24, K12	V10, V16	D64	DD108	<b>PB124E</b>	5.12 (130)	5.51 (140)	6.19 (157)	1.26 (32)	1.69 (43)	2.28 (58)	1.06 (27)
B32	C12	D80	DD144	<b>PB132E</b>	4.33 (110)	4.88 (124)	5.28 (134)	2.56 (65)	3.11 (79)	3.62 (92)	1.18 (30)

### Mounting Dimensions for Single Lever Panel Bases

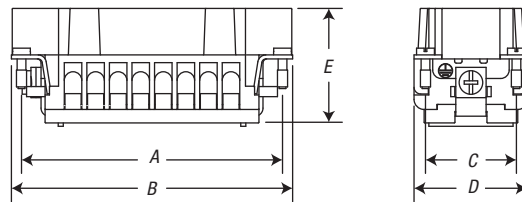


Housing Series					Dimensions are in inches (millimeters)						
A, B, T, K	C, V	D	DD	Cat. No.	A	B	C	D	E	F	G
A3, A4		D7, D8		<b>PB303A (P)*</b>	—	1.10 (28)	1.34 (34)	1.18 (30)	1.50 (38)	1.67 (42.5)	0.95 (24)
				<b>PB403A (P)*</b>	—	1.10 (28)	1.38 (35)	1.18 (30)	1.58 (40)	1.85 (47)	0.95 (24)
				<b>PB503A (P)</b>	1.10 (28)	1.59 (40.5)	1.00 (25.5)	1.42 (36)	1.18 (30)	1.50 (38)	—
A10		D15		<b>PB310A</b>	2.76 (70)	3.19 (81)	—	.68 (17.5)	1.20 (30.5)	1.93 (49)	1.02 (26)
				<b>PB410A</b>	2.76 (70)	3.19 (81)	—	.68 (17.5)	1.20 (30.5)	2.95 (75)	1.02 (26)
A16		D25		<b>PB316A</b>	3.39 (86)	3.78 (96)	—	.68 (17.5)	1.20 (30.5)	1.93 (49)	1.02 (26)
				<b>PB416A</b>	3.39 (86)	3.78 (96)	—	.68 (17.5)	1.20 (30.5)	2.95 (75)	1.02 (26)
B6, T6		DD24		<b>PB306</b>	2.76 (70)	3.15 (80)	—	1.26 (32)	1.69 (43)	2.56 (65)	1.06 (27)
				<b>PB406</b>	2.76 (70)	3.15 (80)	—	1.26 (32)	1.69 (43)	3.54 (90)	1.06 (27)
B10, T10	V3	DD42		<b>PB310</b>	3.27 (83)	3.66 (93)	—	1.26 (32)	1.69 (43)	2.64 (67)	1.06 (27)
				<b>PB410</b>	3.27 (83)	3.66 (93)	—	1.26 (32)	1.69 (43)	3.62 (92)	1.06 (27)
B16, T16	C6, V6	D40	DD72	<b>PB316</b>	4.06 (103)	4.49 (114)	—	1.26 (32)	1.69 (43)	2.64 (67)	1.06 (27)
				<b>PB416</b>	4.06 (103)	4.49 (114)	—	1.26 (32)	1.69 (43)	3.62 (92)	1.06 (27)
B24, T24	V10, V16	D64	DD108	<b>PB324</b>	5.12 (130)	5.51 (140)	—	1.26 (32)	1.69 (43)	2.64 (67)	1.06 (27)
K12	V20, V26	D128	DD216	<b>PB424</b>	5.12 (130)	5.51 (140)	—	1.26 (32)	1.69 (43)	3.62 (92)	1.06 (27)
B48, K24,	V20, V26	D128	DD216	<b>PB348</b>	5.83 (148)	6.50 (165) V32	—	2.76 (70)	3.54 (90)	6.18 (157)	1.06 (27)

\* Suffix: A — Aluminum, P — Plastic

# Technical Information

## Mounting Dimensions for Screw and Crimp Terminal Inserts



Housing Series					Dimensions are in inches (millimeters)				
A, B, T, K	C, V	D	DD	Mating	A	B	C	D	E
A3, A4				BOTH	—	0.83 (21)	—	0.83 (21)	0.98 (25)
		D7, D8		FEMALE	—	0.83 (21)	—	0.83 (21)	1.25 (31.8)
				MALE	—	0.83 (21)	—	0.83 (21)	1.19 (30.2)
A10		D15		FEMALE	1.95 (49.5)	2.22 (56.5)	0.63 (16)	1.34 (34)	1.14 (29)
				MALE	1.95 (49.5)	2.22 (56.5)	0.63 (16)	1.34 (34)	1.26 (32)
A16		D25		FEMALE	2.60 (66)	2.87 (73)	0.63 (16)	1.34 (34)	1.14 (29)
				MALE	2.60 (66)	2.87 (73)	0.63 (16)	1.34 (34)	1.26 (32)
A32		D50		FEMALE	2.60 (66)	2.87 (73)	0.63 (16) x 2	1.34 (34)	1.14 (29)
				MALE	2.60 (66)	2.87 (73)	0.63 (16) x 2	1.34 (34)	1.26 (32)
B6, T6		DD24		FEMALE	1.73 (44)	2.01 (51)	1.063 (27)	1.34 (34)	1.46 (37)
				MALE	1.73 (44)	2.01 (51)	1.063 (27)	1.34 (34)	1.38 (35)
B10, T10	V3	DD42		FEMALE	2.24 (57)	2.52 (64)	1.063 (27)	1.34 (34)	1.46 (37)
				MALE	2.24 (57)	2.52 (64)	1.063 (27)	1.34 (34)	1.38 (35)
B16, T16	C6, V6	D40	DD72	FEMALE	3.05 (77.5)	3.33 (84.5)	1.063 (27)	1.34 (34)	1.48 (37.5)
				MALE	3.05 (77.5)	3.33 (84.5)	1.063 (27)	1.34 (34)	1.40 (35.5)
B24, T24,	V10, V16	D64	DD108	FEMALE	4.09 (104)	4.37 (111)	1.063 (27)	1.34 (34)	1.48 (37.5)
K12				MALE	4.09 (104)	4.37 (111)	1.063 (27)	1.34 (34)	1.40 (35.5)
B32	C12	D80	DD144	FEMALE	3.05 (77.5)	3.33 (84.5)	1.063 (27) x 2	1.34 (34)	1.48 (37.5)
				MALE	3.05 (77.5)	3.33 (84.5)	1.063 (27) x 2	1.34 (34)	1.40 (35.5)
B48, K24	V20, V26, V32	D128	DD216	FEMALE	4.09 (104)	4.37 (111)	1.063 (27) x 2	1.34 (34)	1.48 (37.5)
				MALE	4.09 (104)	4.37 (111)	1.063 (27) x 2	1.34 (34)	1.40 (35.5)

# Technical Information

## Insert Screw Torque Specifications

- Insert Mounting Screws accept a Pozi-drive screwdriver head
- Common cross-point or bladed screwdrivers will also work
- Specs refer to Pozi-drive or bladed common torque only

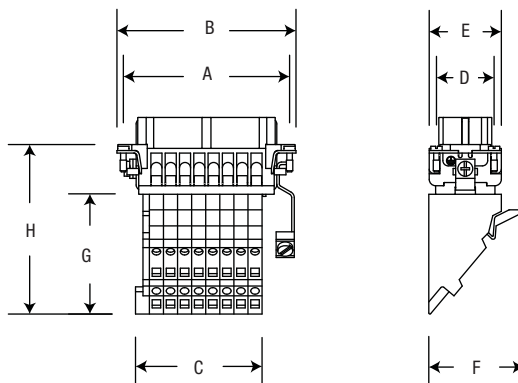
Series	Screw Location	Unit of Measure Screwdriver	Pozi-Drive Point	Std. Straight-Blade Screwdriver
A3, A4	Wire Termination Screw	Newton meters Inch ounces	0.4 57	0.9 127
D7, D8	Insert Grounding Screw D7, D8	Newton meters Inch ounces Insert Grounding Screw 0.4	0.6 85 Newton meters	0.8 113 0.4
A10, A16, A32	Wire Termination Screw  Insert Fastening Screw Insert Grounding Screw	Inch ounces Newton meters Inch ounces  Newton meters Inch ounces Newton meters  Inch ounces	57 0.4 57  0.71 99 0.7  99	57 0.9 127  0.1 156 1.3  184
D15, D25, D50	Insert Fastening Screw  Insert Grounding Screw	Newton meters  Inch ounces Newton meters  Inch ounces	0.7  99 0.7  99	1.1  156 1.3  184
B, T, V	Wire Termination Screw  Insert Fastening Screw Insert Grounding Screw	Newton meters Inch ounces Newton meters Inch ounces Newton meters Inch ounces	0.4 57 0.7 99 1.2 170	0.6 85 1.1 156 1.9 269
C	Wire Termination Screw  Insert Fastening Screw Insert Grounding Screw	Newton meters Inch ounces Newton meters Inch ounces Newton meters  Inch ounces	0.7 99 0.7 99 2.3  326	1.3 184 1.1 156 2.3  326
K	Wire Termination Screw  Insert Fastening Screw Insert Grounding Screw	Newton meters Inch ounces Newton meters Inch ounces Newton meters Inch ounces	0.5/1.4* 71/198* 0.7 99 2.3 326	— — — — — —

\* 16A/80A contacts  
Note: Inch ounces/16.0 = Pound/Inches



## Technical Information

### Mounting Dimensions for Wiring Adapters

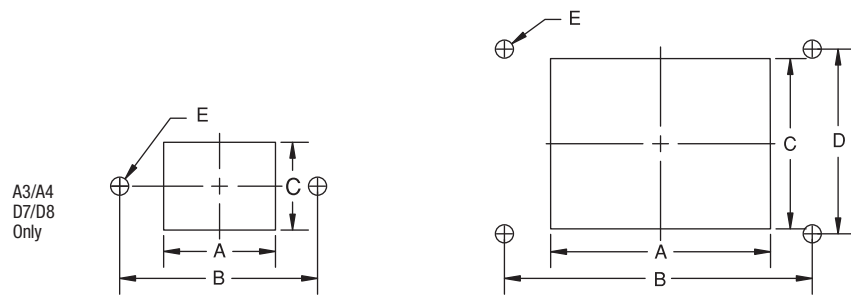


Insert Series	Cat. No.	Dimensions are in inches (millimeters)							
		A	B	C	D	E	f	g	H
B6	FS106WAL	1.73 (44)	2.01 (51)	1.03 (26.3)	1.06 (27)	1.34 (34)	1.77 (45)	2.28 (58)	3.54 (90)
	FS106WAR								
	MS206WAL								
	MS206WAR								
B10	FS110WAL	2.13 (54)	2.52 (64)	1.55 (39.5)	1.06 (27)	1.34 (34)	1.77 (45)	2.28 (58)	3.54 (90)
	FS110WAR								
	MS210WAL								
	MS210WAR								
B16	FS116WAL	3.05 (77.5)	3.32 (84.5)	2.33 (59.3)	1.06 (27)	1.34 (34)	1.77 (45)	2.28 (58)	3.54 (90)
	FS116WAR								
	MS216WAL								
	MS216WAR								
B24	FS124WAL	4.09 (104)	4.37 (111)	3.36 (85.7)	1.06 (27)	1.34 (34)	1.77 (45)	2.28 (58)	3.54 (90)
	FS124WAR								
	MS224WAL								
	MS224WAR								
D40	FS340WAL	3.05 (77.5)	3.27 (83)	2.21 (56)	1.06 (27)	1.34 (34)	3.19 (81)	4.53 (115)	5.12 (130)
	MS440WAL								
D64	FS364WAL	4.09 (104)	4.33 (110)	3.39 (86.3)	1.06 (27)	1.34 (34)	3.19 (81)	4.53 (115)	5.12 (130)
	MS464WAL								

-WAL — ground left, -WAR — ground right

## Technical Information

### Panel Cut Out Dimensions for Panel Bases

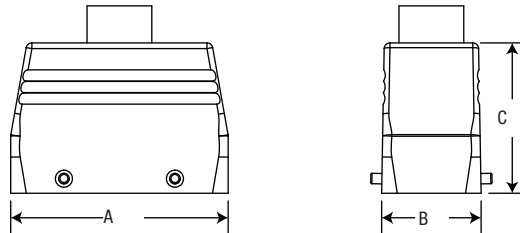


Housing Series				Dimensions are in inches (millimeters)				
A, B, T, K	C, V	D	DD	A	B	C	D	E
A3, A4		D7, D8		0.83 (21)	1.18 (30)	0.83 (21)	—	0.125 (3.2)
A10		D15		1.71 (43.5)	2.76 (70)	0.95 (24)	0.68 (17.5)	0.134 (3.4)
A16		D25		2.36 (60)	3.39 (86)	0.95 (24)	0.68 (17.5)	0.134 (3.4)
A32		D50		2.36 (60)	3.62 (92)	1.89 (48)	1.65 (28)	0.177 (4.5)
B6, T6			DD24	1.42 (36)	2.76 (70)	1.38 (35)	1.26 (32)	0.177 (4.5)
B10, T10	V3		DD42	1.93 (49)	3.27 (83)	1.38 (35)	1.26 (32)	0.177 (4.5)
B16, T16	C6, V6	D40	DD72	2.84 (72)	4.06 (103)	1.38 (35)	1.26 (32)	0.177 (4.5)
B24, T24, K12	V10, V16	D64	DD108	3.86 (98)	5.12 (130)	1.38 (35)	1.26 (32)	0.177 (4.5)
B32	C12	D80	DD144	2.84 (72)	4.33 (110)	2.80 (71)	2.56 (65)	.216 (5.5)
B48, K24	V20, V26,	D128	DD216	3.86 (98)	5.83 (148)	2.80 (71)	2.76 (70)	.248 (6.3)
	V32							

\* Dimensions reflect dual inserts mounting

## Technical Information

### Mounting Dimensions for Double Post Hoods

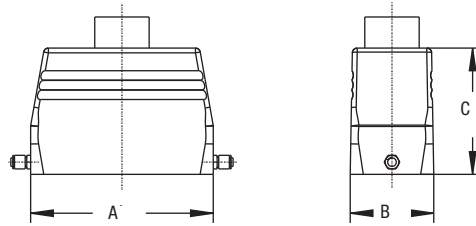


Cat. No.	Housing Series				Dimensions are in inches (millimeters)		
	A, B, t, k	c, v	D	DD	A	B	C
SH_32A	A32	—	D50	—	3.23 (82)	2.21 (56)	2.99 (76)
TH_32A	—	—	—	—	3.23 (82)	2.21 (56)	2.99 (76)
SH_10	—	—	—	—	2.87 (73)	1.69 (43)	2.05 (52)
M3SH_10H___	B10, T10	V3	—	DD42	2.87 (73)	1.69 (43)	2.05 (52)
TH_10	—	—	—	—	2.87 (73)	1.69 (43)	2.05 (52)
TH_10H___	—	—	—	—	2.87 (73)	1.69 (43)	2.05 (52)
SH_16	—	—	—	—	3.70 (94)	1.69 (43)	2.56 (65)
SH_16H	—	—	—	—	3.70 (94)	1.69 (43)	2.99 (76)
M5SH_16L	B16, T16	C6, V6	D40	DD72	3.70 (94)	1.69 (43)	2.36 (60)
TH_16	—	—	—	—	3.70 (94)	1.69 (43)	2.56 (65)
TH_16H	—	—	—	—	3.70 (94)	1.69 (43)	2.99 (76)
TH_16L	—	—	—	—	3.70 (94)	1.69 (43)	2.36 (60)
SH_24	—	—	—	—	4.72 (120)	1.69 (43)	2.36 (60)
SH_24H	—	—	—	—	4.72 (120)	1.69 (43)	2.99 (76)
M7TH_24	B24, T24, K12	V10, V16	D64	DD108	4.72 (120)	1.69 (43)	2.21 (56)
TH_24H	—	—	—	—	4.72 (120)	1.69 (43)	2.99 (76)
TH424RC	—	—	—	—	4.72 (120)	1.69 (43)	2.99 (76)
SH_32	B32	C12	D80	DD144	3.70 (94)	3.11 (79)	3.15 (80)
TH_32	—	—	—	—	3.70 (94)	3.11 (79)	3.15 (80)

Suffix: A — Aluminum, P — Plastic, H — High Profile, L — Low Profile, RC — Ribbon Cable (top entry only)

## Technical Information

### Mounting Dimensions for Single Post Hoods

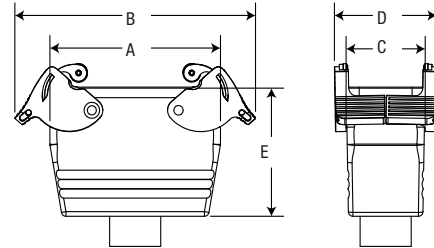


Cat. No.	Housing Series				Dimensions are in inches (millimeters)		
	A, B, t, k	c, v	D	DD	a	b	c
SH603A(P)V	A3, A4	—	D7, D8	—	1.04 (26.5)	1.04 (26.5)	1.89 (48)
TH803A(P)V	—	—	—	—	1.04 (26.5)	1.04 (36.5)	1.89 (48)
SH_10A	—	—	—	—	2.48 (63)	1.42 (36)	2.60 (66)
SH_10AL	A10	—	D15	—	2.48 (63)	1.16 (29.5)	2.09 (53)
TH_10A	—	—	—	—	2.48 (63)	1.42 (36)	2.60 (66)
TH_10AL	—	—	—	—	2.48 (63)	1.16 (29.5)	2.09 (53)
SH_16A	—	—	—	—	3.13 (79.5)	1.42 (36)	2.84 (72)
SH_16AL	A16	—	D25	—	3.13 (79.5)	1.16 (29.5)	2.28 (58)
TH_16A	—	—	—	—	3.13 (79.5)	1.42 (36)	2.84 (72)
TH_16AL	—	—	—	—	3.13 (79.5)	1.16 (29.5)	2.28 (58)
SH_606	—	—	—	—	2.36 (60)	1.69 (43)	1.69 (43)
M2SH_606Hxxx	B6, T6	—	—	DD24	2.36 (60)	1.69 (43)	2.84 (72)
TH_806	—	—	—	—	2.36 (60)	1.69 (43)	1.69 (43)
TH_806Hxxx	—	—	—	—	2.36 (60)	1.69 (43)	2.84 (72)
SH_610	—	—	—	—	2.87 (73)	1.69 (43)	2.05 (52)
M3SH_610Hxxx	B10, T10	V3	—	DD42	2.87 (73)	1.69 (43)	2.84 (72)
TH_810	—	—	—	—	2.87 (73)	1.69 (43)	2.05 (52)
TH_810Hxxx	—	—	—	—	2.87 (73)	1.69 (43)	2.84 (72)
SH_616	—	—	—	—	3.70 (94)	1.69 (43)	2.56 (65)
SH_616H	—	—	—	—	3.70 (94)	1.69 (43)	2.99 (76)
SH_616L	—	—	—	—	3.70 (94)	1.69 (43)	2.36 (60)
M5TH_816	B16, T16	C6, V6	D40	DD72	3.70 (94)	1.69 (43)	2.56 (65)
TH_816H	—	—	—	—	3.70 (94)	1.69 (43)	2.99 (76)
TH_816L	—	—	—	—	3.70 (94)	1.69 (43)	2.36 (60)
TH816RC	—	—	—	—	3.70 (94)	1.69 (43)	2.99 (76)
SH_624	—	—	—	—	4.72 (120)	1.69 (43)	2.99 (76)
M7SH_624L	B24, T24	V10, V16	D64	DD108	4.72 (120)	1.69 (43)	2.36 (60)
TH_824	—	—	—	—	4.72 (120)	1.69 (43)	2.99 (76)
TH824L	K12	—	—	—	4.72 (120)	1.69 (43)	2.36 (60)
TH624RC	—	—	—	—	4.72 (120)	1.69 (43)	2.99 (76)
SH_48	B48, K24	V20, V26	D128	DD216	5.16 (131.5)	3.50 (89)	3.78 (96)
TH_48	—	V32	—	—	5.16 (131.5)	3.50 (89)	3.78 (96)

Suffix: AP — Plastic, H — High Profile, L — Low Profile, RC — Ribbon Cable (top entry only)

## Technical Information

### Mounting Dimensions for Double Lever Coupler Hoods

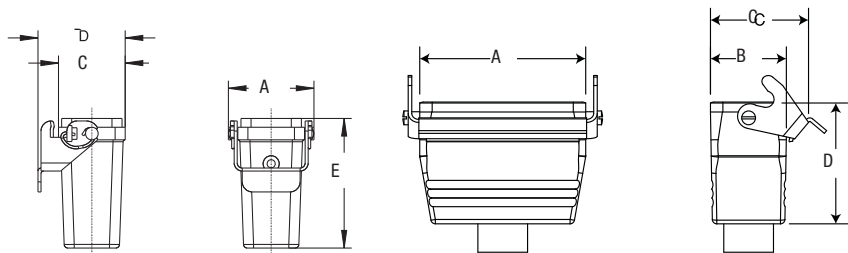


Cat. No.	Housing Series				Dimensions are in inches (millimeters)				
	A, B, t, k	c, v	D	DD	A	B	C	D	E
CH610E	B10, T10	V3	D40	DD42	2.87 (73)	4.33 (110)	1.69 (43)	2.28 (58)	2.02 (51.5)
CH610EHxxx					2.87 (73)	4.33 (110)	1.69 (43)	2.28 (58)	2.87 (73)
CH_16E	B16, T16	C6, V6	D40	DD72	3.70 (94)	5.16 (131)	1.69 (43)	2.28 (58)	2.72 (69)
CH_16EH					3.70 (94)	5.16 (131)	1.69 (43)	2.28 (58)	3.15 (80)
CH616ERC					3.70 (94)	5.16 (131)	1.69 (43)	2.28 (58)	3.15 (80)
CH_24E					4.72 (120)	6.18 (157)	1.69 (43)	2.28 (58)	3.15 (80)
CH624ERC	K12	C6, V6	D40	DD72	4.72 (120)	6.18 (157)	1.69 (43)	2.28 (58)	3.15 (80)
CH_32E	B32				C12	D80	DD144	3.70 (94)	5.28 (134)

H — High Profile, RC — Ribbon Cable (top entry only)

### Mounting Dimensions for Single Lever Coupler Hoods

**A3/A4  
D7/D8  
Only**



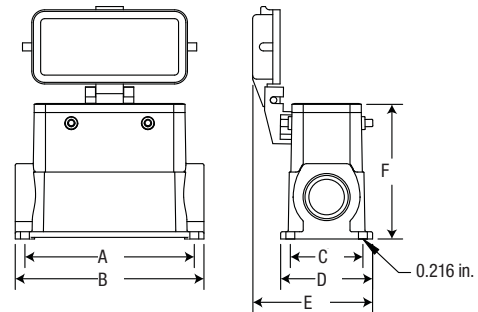
Cat. No.	Housing Series				Dimensions are in inches (millimeters)				
	A, B, t, k	c, v	D	DD	A	B	C	D	E
CH803A(P)*	A3, A4		D7, D8		1.34 (34)	—	1.04 (26.5)	1.43 (36.5)	2.02 (51.5)
CH810A	A10		D15		2.48 (63)	—	1.16 (29.5)	1.92 (49)	1.89 (48)
CH816A	A16	C6, V6	D25		3.13 (79.5)	—	1.16 (29.5)	1.92 (49)	2.09 (53)
CH806	B6, T6			DD24	2.36 (60)	—	1.69 (43)	2.56 (65)	2.02 (51.5)
CH806Hxxx					2.36 (60)	—	1.69 (43)	2.56 (65)	2.87 (73)
CH810	B10, T10	V3		DD24	2.87 (73)	—	1.69 (43)	2.64 (67)	2.02 (51.5)
CH810Hxxx					2.87 (73)	—	1.69 (43)	2.64 (67)	2.87 (73)
CH_16					3.70 (94)	—	1.69 (43)	2.64 (67)	2.72 (69)
CH_16H					3.70 (94)	—	1.69 (43)	2.64 (67)	3.15 (80)
CH616RC	B16, T16	C6, V6	D40	DD72	3.70 (94)	—	1.69 (43)	2.64 (67)	3.15 (80)
CH_24	B24, T24	V10, V16	D64	DD108	4.72 (120)	—	1.69 (43)	2.64 (67)	3.15 (80)
CH824RC					4.72 (120)	—	1.69 (43)	2.64 (67)	3.15 (80)

\*Suffix: A — Aluminum, P — Plastic, H — High Profile, L — Low Profile, RC — Ribbon Cable (top entry only)

## Technical Information

### Mounting Dimensions for Double Post Box Bases

(Reverse Locking)

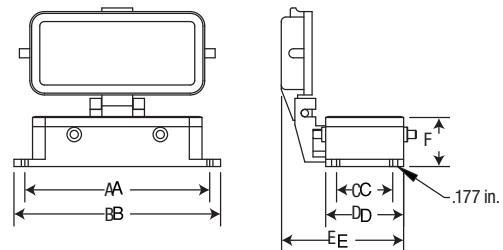


Cat. No.	Housing Series				Dimensions are in inches (millimeters)					
	A, B, t, k	c, v	D	DD	A	B	C	D	E	F
BB_32A	A32		D50		3.70 (94)	4.17 (106)	1.81 (46)	2.32 (59)	3.11 (79)	3.20 (81.5)
BB_32A100					3.70 (94)	4.17 (106)	1.81 (46)	2.32 (59)	3.11 (79)	3.20 (81.5)
BB_10	B10, T10	V3		DD42	3.23 (82)	3.66 (93)	1.56 (40)	2.05 (52)	2.87 (73)	2.05 (52)
BB_10H					3.23 (82)	3.66 (93)	1.77 (45)	2.24 (57)	2.97 (75.5)	2.91 (74)
BB_16	B16, T16	C6, V6	D40	DD72	4.13 (105)	4.61 (117)	1.77 (45)	2.24 (57)	2.97 (75.5)	2.68 (68)
BB_24					5.20 (132)	5.67 (144)	1.77 (45)	2.24 (57)	2.97 (75.5)	2.68 (68)
BB_24	B24, T24,	C6, V6	D40	DD72	5.20 (132)	5.67 (144)	1.77 (45)	2.24 (57)	2.97 (75.5)	2.68 (68)
BB_24H	K12				5.20 (132)	5.67 (144)	1.77 (45)	2.24 (57)	2.97 (75.5)	3.31 (84)

H — High Profile

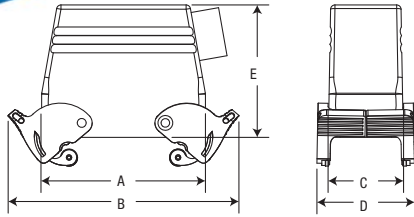
### Mounting Dimensions for Double Post Panel Bases

(Reverse Locking)



Cat. No.	Housing Series				Dimensions are in inches (millimeters)					
	A, B, t, k	c, v	D	DD	A	B	C	D	E	F
PB232A	A32		D50		3.62 (92)	4.02 (102)	1.65 (42)	2.24 (57)	3.15 (80)	1.10 (28)
PB210	B10, T10	V3		DD42	3.27 (83)	3.66 (93)	1.26 (32)	1.69 (43)	2.68 (68.5)	1.06 (27)
PB216	B16, T16	C6, V6	D40	DD72	4.06 (103)	4.49 (114)	1.26 (32)	1.69 (43)	2.68 (68.5)	1.06 (27)
PB224	B24, T24,	C6, V6	D40	DD72	5.12 (130)	5.51 (140)	1.26 (32)	1.69 (43)	2.68 (68.5)	1.06 (27)
	K12									

## Technical Information



**Mounting Dimensions for Double Lever Hoods  
(Reverse Locking)**

Cat. No.	Housing Series				Dimensions are in inches (millimeters)				
	A, B, t, k	c, v	D	DD	A	B	C	D	E
LH_32A	A32		D50		3.23 (82)	5.04 (128)	2.21 (56)	2.76 (70)	2.99 (76)
LH_10E	B10, T10	V3		DD42	2.87 (73)	4.33 (110)	1.69 (43)	2.28 (58)	1.89 (48)
LH_10EH___					2.87 (73)	4.33 (110)	1.69 (43)	2.28 (58)	2.84 (72)
LH_16E	B16, T16	C6, V6	D40	DD72	3.70 (94)	5.16 (131)	1.69 (43)	2.28 (58)	2.56 (65)
LH_16EH					3.70 (94)	5.16 (131)	1.69 (43)	2.28 (58)	2.99 (76)
LH_24E	B24, T24, K12	V10, V16	D64	DD108	4.72 (120)	6.18 (157)	1.69 (43)	2.28 (58)	2.99 (76)

### Dust Covers for Housings



Housing Series				For Single-Lever Housings	For Double-Lever Housings	For Single-Post Housings	For Double-Post Housings
A, B, T, K	C, V	D	DD				
A3, A4		D7, D8		DCL103A-1			
A10		D15		DCL110A-1		DCS110A-1	
A16		D25		DCL116A-1		DCS116A-1	
A32		D50			DCL232A-1/DCL432A-1*		DCS232A-1
B6, T6**			DD24	DCL106B-1			
B10, T10**	V3		DD42	DCL110B-1	DCL210B-1/DCL410B-1*		
B16, T16**	C6, V6	D40	DD72	DCL116B-1	DCL216B-1/DCL416B-1*		
B24, T24**, K12	V10, V16	D64	DD108	DCL124B-1	DCL224B-1/DCL424B-1*		

\* Comes with gasket for hoods with levers and without gaskets

\*\* Dust covers tested only to 125°C (if applied to 200°C Series T)

### Gaskets

Cat. No.		Housing Series			
Panel Base, Flat	Molded Edge Contour*	A, B, T, K	C, V	D	DD
A04XFGP	A04XMEC	A3, A4		D7, D8	
A10XFGP	A10XMEC	A10		D15	
A16XFGP	A16XMEC	A16		D25	
A32XFGP	A32XMEC	A32		D50	
B6XFGP	B6XMEC	B6, T6**			DD24
B10XFGP	B10XMEC	B10, T10**	V3		DD42
B16XFGP	B16XMEC	B16, T16**	V6, C6	D40	DD72
B24XFGP	B24XMEC	B24, T24**, K12	V10, V16	D64	DD108
B32XFGP	B32XMEC	B32	C12	D80	DD144
B48XFGP	B48XMEC	B48, K24	V20, V26, V32	D128	DD216

\* Install with silicone sealant/adhesive for industrial use

\*\* For T Series 200°C applications, specify catalogue number except use "T" prefix instead of "B" for gaskets. EX: use "T16XFGP" for panel base gaskets.

## Technical Information

**Coding Pins, Guide Pins and Sleeves can be used  
in all series housings, with all inserts**

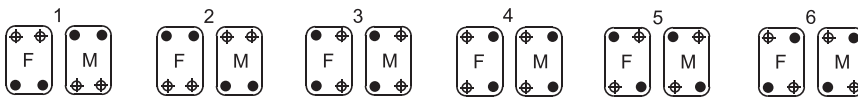
### Coding Pin



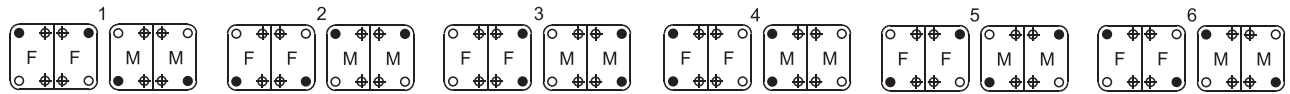
**Coding Pins:**

Used for rejection in multiple "same size or series" insert/hood installations  
Patterns show examples of rejection coding pins installed

### Coding possibilities for single insert series



### Coding possibilities for double insert series



### Guide Pin



MG601

### Guide Sleeve

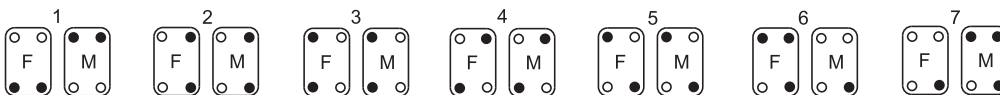


FG602

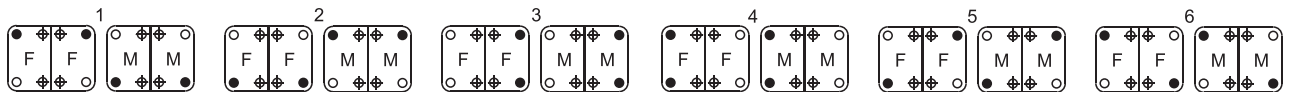
**Guide Pins and Sleeves:**

Perform same function as coding pins and/or  
aid high-density insert mating as well

### Coding possibilities for single insert series



### Coding possibilities for double insert series



● – Male Guide Pins or Coding Pins

○ – Female Guide Sleeves

⊕ – Mounting Screw



## Technical Information

### Metric PG-to-NPT Thread Adapters

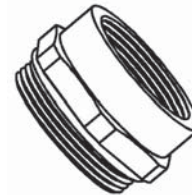
Cat. No.	NPT Thread (mating) (in.)	Thread (at Housing)
PG11-38	3/8	PG11
PG16-50	1/2	PG16
PG21-75	3/4	PG21
PG29-100	1	PG29
PG29-125	1-1/4	PG29
PG36-125	1-1/4	PG36
PG36-150	1-1/2	PG36
PG42-200	2	PG42



Supplied standard with all hoods and bases  
Special sizes/hood combinations available

### Metric ISO-to-NPT Thread Adapters

Cat. No.	NPT Thread (mating) (in.)	Thread (at Housing)
M20-50	1/2	M20
M25-75	3/4	M25
M32-100	1	M32



### Metric Cord Grip Connectors

Cat. No.	Cable O.D. (in.)		Thread (at Housing)
	Min.	Max.	
CG11-38	0.200	0.470	PG11
Cg11-38P*	0.325	0.340	PG11
Cg135-50	0.285	0.545	PG13.5
Cg16-50	0.285	0.625	PG16
Cg21-75	0.395	0.790	PG21
CG29-100	0.780	0.060	PG291

\* Plastic



Standard European style — can be specified/supplied with hoods and bases

## Technical Information

### Conduit Entry Blind Plug

Cat. No.	Thread (at housing)
CXP722	PG13.5
CXP723	PG16
CXP724	PG21
CXP725	PG29



### Nonmetallic Cord Grip Fittings

NPT Threads Cat. No.	Cord Range		Thread Size (in.)
	in.	mm	
CC-NPT38-G	0.197–0.394	5–10	3/8
CC-NPT12-G	0.394–0.551	10–14	1/2
CC-NPT34-G	0.512–0.709	13–18	3/4
CC-NPT1-G	0.709–0.984	18–25	1



### Metric Cord Grip Connectors

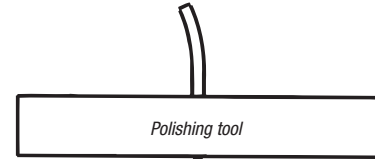
PG Threads Cat. No.	Cord Range		Thread Size (in.)
	in.	mm	
CC-PG11-G	0.197–0.394	5–10	11
CC-PG135-G	0.336–0.473	6–12	13.5
CC-PG16-G	0.394–0.551	10–14	16
CC-PG21-G	0.512–0.709	13–18	21
CC-PG29-G	0.709–0.984	18–25	29
CC-PG36-G	0.867–1.126	22–32	36



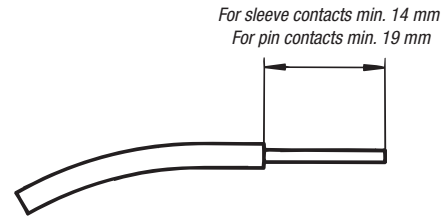
## Technical Information

### Instructions for Connection with Fiber Optic (POF Cable)

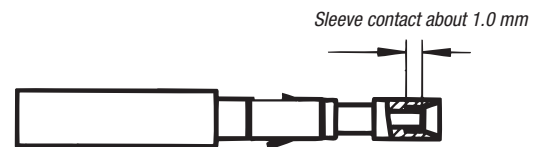
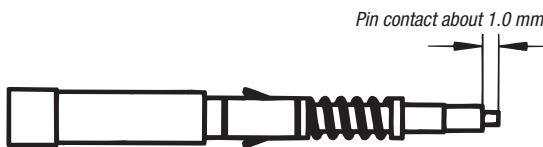
1. Before crimping the POF\* cable, 1.0 mm to the glass fiber cable contact, the end of the fiber has to be polished. Stick end of POF cable into polishing tool and grind on a plane surface (e.g. glass plate). Wipe off any residues after polishing. The best optical damping values are achieved with wet-polishing procedure.



2. Strip 1.0 mm POF cable on min. 14 mm for D sleeve contacts and min. 19 mm for D pin contacts.



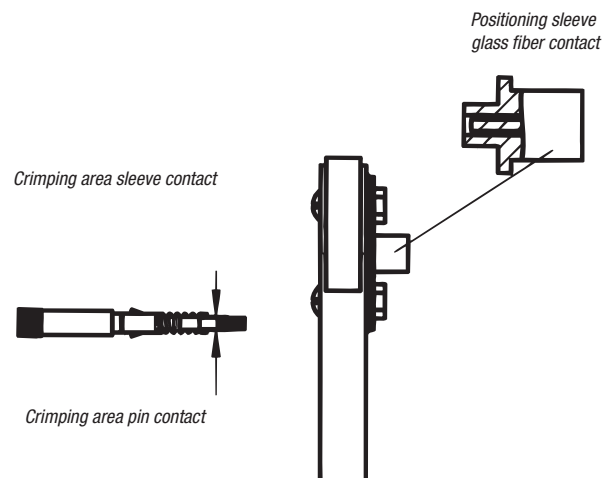
3. Insert stripped POF cable in sleeve or pin contact until stop. The optical fiber should then stick about 1 mm out of the contact.



4. Optical fiber crimping:  
Adjust the positioning sleeve into the corresponding inlet of the crimping tool with the stop screw at 1.45 mm (if necessary check with gauge pin, diameter 1.45 mm, with closed crimping tool).

Insert the glass fiber cable contact together with the POF cable through the crimp opening of the crimping tool into the positioning sleeve.

By pressure on the contact, the fiber inside the contact will be locked into the right position for the fiber crimping. Continue pressure until the release mechanism is heard.



\* POF = Polymer Optical Fiber