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Overview

The FAQs about Pos-E-Kon™ Interconnects: The Most Frequently Asked Questions and Answers — for Pos-E-Kon Customers

International Standards, Worldwide Use

Why?

Rectangular Circuit Interconnections

- Best use of space for multiple contacts in heavy-duty housings
- Easy to assemble with many different insert options
- Best fit for easy access in panels, machinery and enclosures
- Sealed connector with quick disconnect handles
- Wide variety of circuit possibilities from standard items
- Solid or stranded wire in fixed or portable use

Who?

- Machine tool OEMs
- Material handling equipment OEMs
- Robotics systems OEMs and installations
- Packaging machinery OEMs and facilities
- Control panels and PLC systems
- Molding, assembly or line machinery OEMs and facilities
- Construction, mining and welding apparatus
- Carnival applications

What?

- Servo controls
- Sensing and feedback loops
- Conveyor and process controls
- Low power, DC or logic systems
- Combination power, system and other circuits
- Modular controls including fiber-optic connections



Where?

Worldwide agency approvals and applications

- DIN VDE 0627/86, 0110/02.79, and 0110-1/04.97
- IEC 60.664-1, DIN/IEC 512
- CSA Certified
- UL Recognized
- Protection classes IP44 through IP65 per IEC 529
- Component use in CE marked equipment OK per IEC Council Directive July 1999, 73/23/EEC
- Available from Thomas & Betts – Pos-E-Kon™ authorized distributors
- T&B sales representatives and agents worldwide

Overview

The Basic System: Build an Application

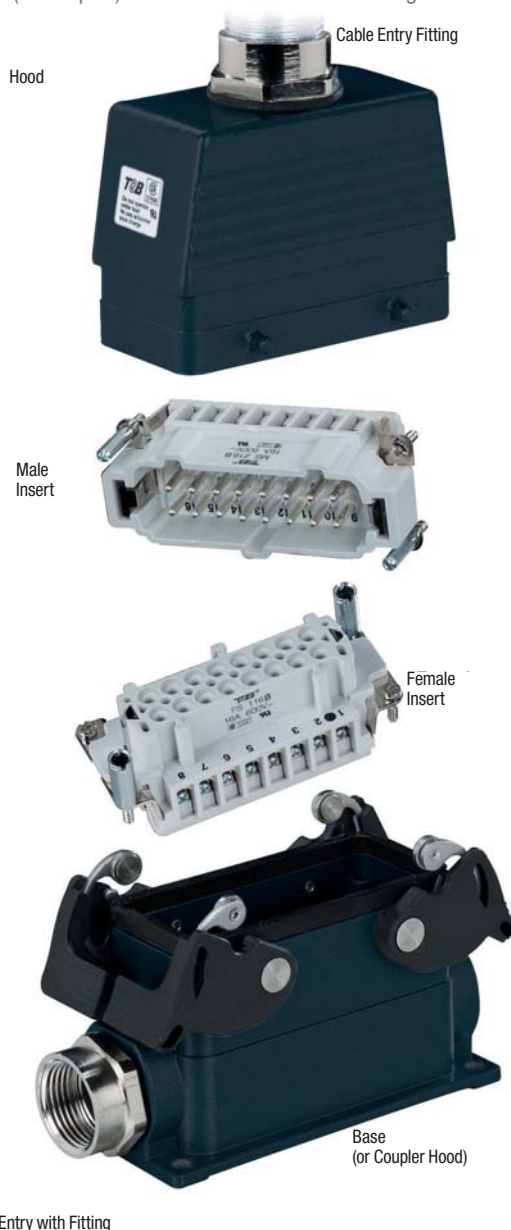
Rectangular Circuit Interconnections

Step 1 – Maximum voltage and amperage requirements (300V or 600 V classes, 10–80 A)

Step 2 – Number of contacts or circuits needed

Step 3 – Choose wire terminations style; screw terminal or crimp contacts. Select Series from charts.

Step 4 – Base (or coupler) and hood construction/mating selection per Series (single or double levers)



As Easy As 1. 2. 3. 4.

1. Hood

- Separable housing for inserts
- Top or side conduit/wire entry
- Standard locking posts, dual or single
- Locks to Panel Base, Box Base or inline Coupler Hood

2. Base Housing (or Coupler Hood)

- Surface wall-mount box base (shown)
- Panel Base for through-panel access
- Coupler Hood mating for portable use
- Single or dual “lever” locking

3. Male Insert

- Male contact carrier body
- Screw terminal contacts (pins with wire protection saddles) or crimp terminated pins

4. Female Insert

- Female contact carrier
- Screw terminal contacts (sleeves with wire protection saddles) or crimp terminated sleeves

DIN Standard Configurations

- Most inserts and housings are interface compatible with other DIN standard lines. Verify physical application before selecting cross reference.
- Pos-E-Kon™ construction includes standard NPT conduit adapters for hoods and bases, with many options available. DIN standard Hoods and Bases may have “Euro Style” PG fittings (or none) included unless specially ordered.

Overview

Pos-E-Kon™ Insert Selector Chart

- S – Screw Terminals
- C – Crimp Contacts
- F – Fiber Optic (POF)
- A – Terminal Block Wiring Adapter

Select the # of contacts – all Blocs de connexion have separate ground contacts

Amps	Volts	Series	3	4	6	7	8	10	12	15	16	20	24	25	26	32	40	42	48	50-216	
Select the # of contacts — all Blocs de connexion have separate ground contacts																					
10	50	D					C, F														
10	600	A	S	S																	
16	600	A						S, C			S, C					S, C					
16	600	B			S, C, A			S, C, A			S, C, A		S, C, A			S, C				S, C	
35	600	C			S				S												
10	600	D					C, F				C, F				C, F			C, F, A			C, F, A (64)
10	600	DD											C, F						C, F		C, F
80/16	600	K		S			S	4 or 8 Power (80A alone or with 8 or 16 Control (16A) Combination Blocs de connexion)													
16-T	600	T			S			S			S		S		High Temp (200°C)						
316-V	600	V	S, C		S, C			S, C			S, C	S, C			S, C	S, C	Includes 2 Pilot Contacts				

Screw Terminal/Insert Types (Integral Contacts)

Screw termination is used for ease of assembly plus ease of maintenance. No tooling beyond a screwdriver and wire strippers is required.

Crimp Terminal/Insert Types (Crimp Contacts)

Crimp terminals offer solid, thermally cool vibration-resistant terminations for OEM equipment and critical applications. Better for smaller AWG sizes also. Crimp tools are noted in each section.



All crimp types represented require contacts ordered separately. Each section contains hand Crimp Tool selection notes.

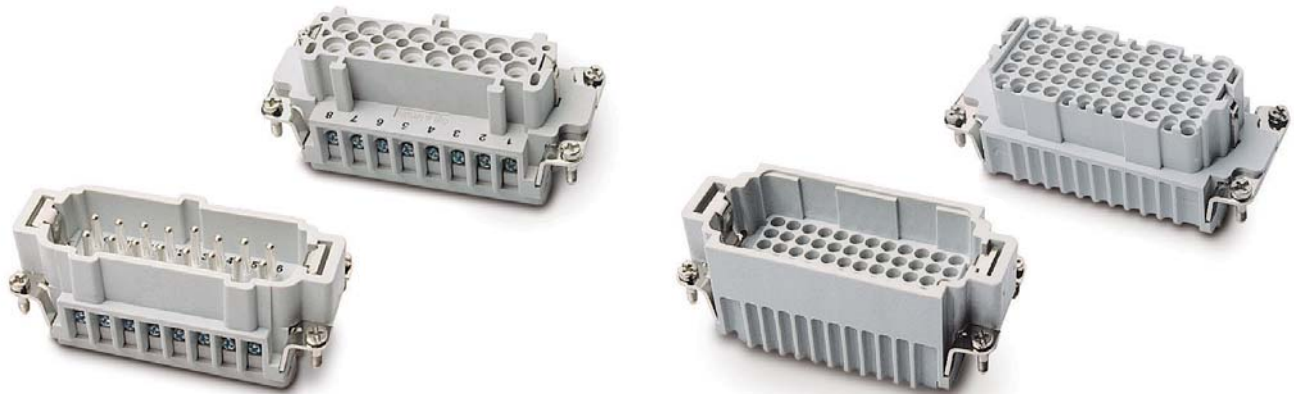
Overview

Screw Terminal Inserts

- Integral screw terminal contacts provide for easy terminal wiring and fast assembly
- Standard wire protection saddles prevent cutting of strands during assembly

Crimp Terminal Inserts

- Provide reliable connections for long-term configurations
- Contact sizes accommodate wiring from 12–20 AWG



- Made of durable glass fiber-filled thermoplastic
- Contact numbers clearly marked for easy identification
- Easily installed (male or female) in either hoods or bases using captive mounting screws

WAR, Right Ground Strap

WAL, Left Ground Strap

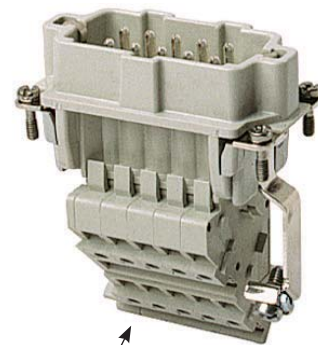
Terminal Block Wiring Adapters

- Allow for measuring of circuit while in operation
- Provide easy connections in panel mounting configurations
- Labels available for easy identification of circuits
- Can be mounted on DIN rails by using snap-on mounting feet
- Used in switch cabinets, panel enclosures or mounted in panel base housings — see B and D Series

Insert Strip Blank – WAM1B

Insert Strip Nos. 1–64 – WAM1N64

Insert Strip Letters A–Z – WAM1AZ



WAM1 Marker Tab Clips
Snap-in formed label holder tabs allow terminal identification for B Series



DIN Mounting Foot FE807TB

Overview

Hood and Base Housings

- Rugged cast aluminum hoods and bases: Maximum performance in many operating conditions
- Various hood heights available: Easier assembly and wiring with low, high and standard profiles
- Corrosion-resistant finishes: Optional special materials extend life in corrosive conditions
- Locking possibilities include single locking system and double locking system
- Complete selection: Flexible product designs (see Hood/Base Cross Reference below)
- Dust covers and more: See Adapters (page D9) and Covers (page D8) or Bases with Covers available in most series (Accessories, page D50)
- Custom configurations: Multiple conduit entry/sizes and other configurations available to spec

Amps	Volts	Series	A4	A10	A16	AA32	B6	B10	B16	B24	B32	B48
Series Application		Standard Hood/Base Housing										
10A	50	D	D8									
10A	600	A	A3, A4									
16A	600	A		A10	A16	A32						
16A	600	B					B6	B10	B16	B24	B32	B48
35A	600	C							C6		C12	
10A	600	D	D7	D15	D25	D50			D40	D64	D80	D128
10A	600	DD					DD24	DD42	DD72	DD108	DD144	DD216
80/16A	600	K								K4/8		K8/16
Series Application		Special Series Hood/Base Housing										
16A-T*	600	T					T6	T10	T16	T24		
16A-V**	600	V						V3	V6	V10		V32

* Special high-temperature series in copper-free aluminum with special green epoxy powder coat, Viton® seals†

** Special isolation design allows additional control circuit capability

† Viton® is a trademark of DuPont Performance Elastomers



Box Base



Top Cable Entry



Box Base Housing with single lever and spring cover. Metal spring covers available for B series, where noted



Panel Base



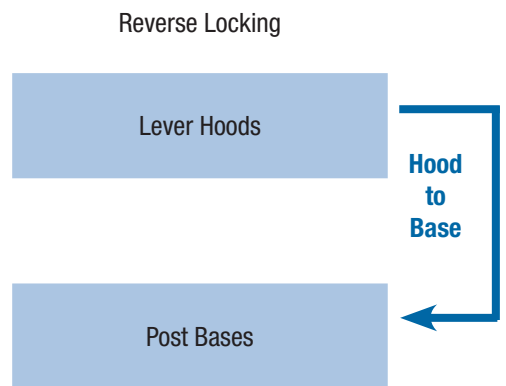
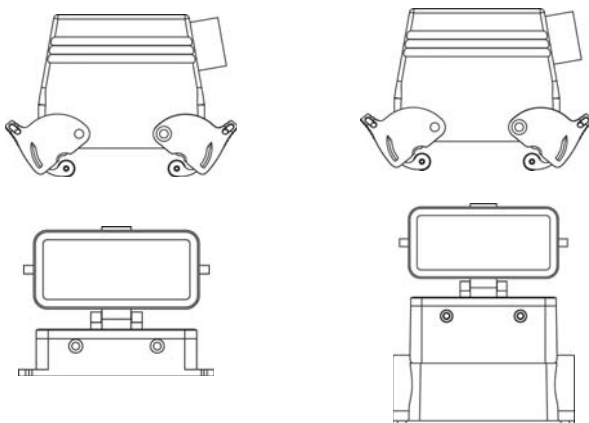
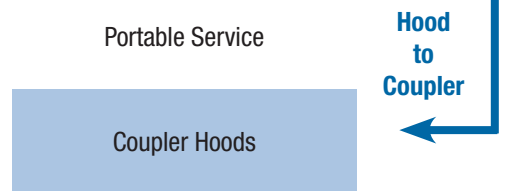
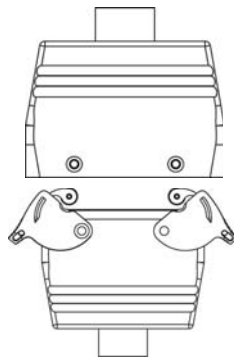
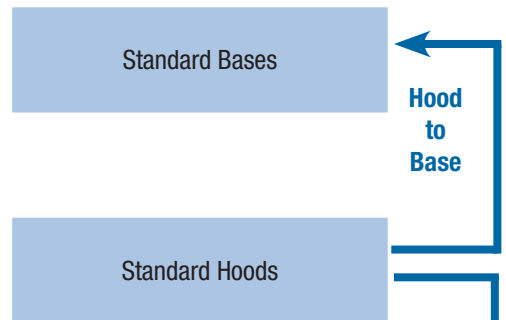
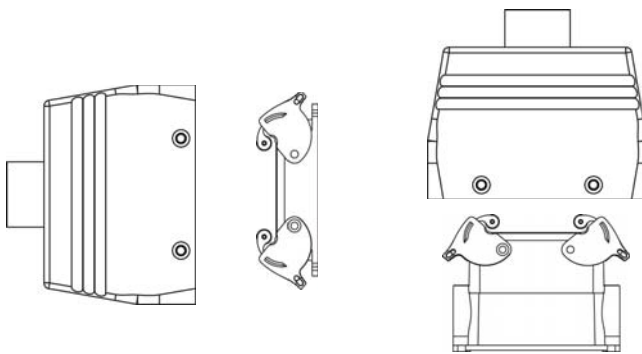
Side Cable Entry

Overview

1. Select size (# of contacts) from each Series' section left-hand page chart (selected inserts), then look at corresponding right-hand page columns.
2. Vertical columns note single or double locking systems available (double locking usually preferable).
3. Select base housings for mounting and/or function: conduit/cable entry, thru-panel access, inline coupler or reversed locking as shown. (Note profile height options.)
4. Select side or top entry hoods as shown. (Note profile height options.)
5. Review conduit and cable entry options (standard NPT adapter sizes for each series).

Note: M Series (layout) groups interior options, followed by base selection options.

Each Right-Hand Page Shows:



Overview

Sub-Miniature (DB) Adapter Plates

- Connect test and diagnostic equipment to control circuits
- Panel base, box housing base or any hood installation (ribbon cable — entry hoods available)
- Industry standard sizes
- Dust covers for protection recommended
- 9, 15, 25, 37 and 50 Series



B24 Insert Mounting Adapter Plates

- Allow housing standardization for multiple applications
- B24 footprint fit to single B6, B10, B16 inserts
- Rugged thermoplastic
- Fit standard B24 Hoods and Bases



Cover Plates

- Allow custom connections for drill-and-install work
- Blank plate for expansion
- All standard Hood/Base sizes supported



Dust Covers & Hinged Covers (thermoplastic) (thermoplastic or metal)

- Separate covers or fixed-mount hinged types
- Metal fixed-mount hinged covers for B Series bases available in select sizes
- Separate or fixed covers protect contacts when not in use or while unmated
- Refer to page D50



Overview

Wire and Cable Entry Options

Portable Service Cord

- Sheathed industrial multi-conductor cables usage
- Options cover many installation needs
- Special constructions available for retrofit or original specification
- Hoods and Bases may be specified (in bulk volumes)
- Euro standard gland seal also available
- Refer to page D52



Cable Compression Seal Fitting



Euro Gland Seal

Standard NPT Conduit Adapters

- Euro PG to NPT thread adapters (PG male to NPT female)
- Standard on all Pos-E-Kon™ Hoods and Bases
- Available separately for MRO
- Sizes from (PG11 to 1/2 in.) through (PG48 to 1-1/2 in.) NPT
- Refer to page D52



Cord Grip Fittings

- Both NPT and PG thread styles
- Thermoplastic sealing glands in NPT, PG and ISO threads — for retrofit or original specification
- More options than shown are available (shown in grey; black also available)
- Refer to page D53



Pos-E-Kon™ Advantages

- Feature: Ergonomic thermoplastic levers for “B” Series double-lever housings B10–B24
- Benefits: Non-slip comfortable grip for easier locking and unlocking
- Feature: Laser-etched labeling for all metal housings and hot-stamped labeling on contact carrier inserts
- Benefits: Permanent marking with all data combined in external marking vs. internal label



Overview

Easy-to-use catalogue number construction pioneered by Thomas & Betts

Hoods

TH – Top Entry Hood with NPT fitting
SH – Side Entry Hood with NPT fitting

Wiring Entry options

- Cord or Conduit Adapter fittings
- Ribbon cable and Euro cable entry
- Housings without fittings
- Custom assemblies

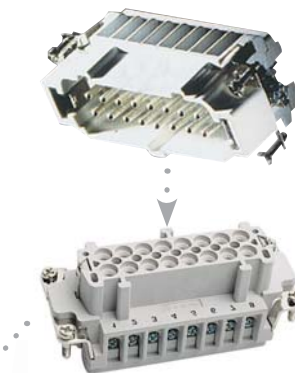
Male and Female Terminal Block Wiring Adapters

MS or FSxxxWAR/WAL

(right/left ground) options
for Panel Base installations



PB – Panel Base Housing
Panel face or bulkhead
mounting with rear
wiring access



BB – Box Base Housing Surface
Mount with NPT conduit
entry (1 or 2) fittings
(standard)



Double posts (front/back)
for Double-Lever locking
(single-side posts/lever also)



CH – Coupler Hood
Inline Portable Connection

Male and Female Inserts

– same installation to any hood or base orientation

MS – Male Screw Terminal Insert (shown)

FS – Female Screw Terminal Insert (shown)

– OR –

MC – Male Crimp Insert

FC – Female Crimp Insert

>use MP – Male and FP – Female Pins

Locking

- Single lever/Single posts or Double lever/Double posts locking
- “Reversed Locking” (levers on hoods) available

Overview

	Series	Features	Contacts + G	Page
Series Locator				
	A Series 10A: 3, 4 16A: All others	Small, Compact Size Screw Terminal	3, 4, 10, 16, 32	D12
	B Series 16A	Standard Size Screw Terminal	6, 10, 16, 24, 32, 48	D14
	C Series 35A	High-Current Screw Terminal	6 or 12	D18
	D Series 10A	High-Density Crimp Contacts or Fiber Optic Contacts	7, 8, 15, 25, 40, 50, 64, 80, 128	D20
	DD Series 10A	Very High-Density Crimp Contacts	24, 42, 72, 108, 144, 216	D24
	K Series 16A/80A	Combo, High-Current/Std. Current Contacts à vis	16A: 8 + 4 80A: 16 + 8	D28
	V Series 16A	Control Circuit Contacts and B Style Contacts à vis	3, 6, 20, 26, 32	D30
	T Series 16A	B Style @ High-Temp 200° C Contacts à vis	6, 10, 16, 24	D34
	Reference & Accessories	Specs, Dimensions, Components and Fiber Optics		D36

A Series 16 A 600 VAC

3 or 4 Contacts + Ground: 10A
 10, 16 & 32 Contacts + Ground: 16A



Use small blade screwdriver to push wire entry tab in for easy contact removal



Crimp Tool

Cat. No.

WT611TB

3 or 4 (600 V)	10	16	32
Install to Matching Series Hood/Base			

	3 or 4 + G	10 + G	16 + G	32 + G	
Screw Terminal Inserts					
	Male – Pins 20–14 AWG (0.5–2.5 mm ²)	MS203A or MS204A (16 AWG max.)	MS210A	MS216A	MS216A+ MS232A
	Female – Sleeves 20–14 AWG (0.5–2.5 mm ²)	FS103A or FS104A (16 AWG max.)	FS110A	FS116A	FS116A+ FS132A

Bases — Standard Mount				# of Contacts + Ground Connection			
				3 or 4 (600 V)	10	16	32
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type			
				Single	Single	Single	Double
		Panel Base (No Cover)		PB303A(P)†	PB310A	PB316A	PB132A
		Panel Base w/Cover		PB403A	PB410A	PB416A	
		Angled, (No Cover)		PB503A(P)†			
		Box Base (No Cover)	1 x 3/8 1 x 1/2 1 x 3/4 1 x 1 2 x 1/2 2 x 3/4 2 x 1	BB403APMv†	BB410Amv BB510Amv	BB416Amv BB516Amv	BB032Amv BB832A BB132Amv BB132A100
		Box Base w/Cover	1 x 1/2 2 x 1/2		BB610Amv BB710Amv	BB616Amv BB716Amv	
Hoods — Standard Mount *Plastic body — “A” 3-16 Series standard Hoods include gaskets; Bases and Special Hoods do not							
		Side Entry	1 x 3/8 1 x 1/2 1 x 3/4 1 x 1	SH603APmv†	SH610Amv** SH710Amv**	SH616Amv** SH716Amv**	SH032Amv SH132Amv
		Top Entry	1 x 3/8 1 x 1/2 1 x 3/4 1 x 1	TH803APmv†	TH810Amv** TH910Amv**	TH816Amv** TH916Amv**	TH232Amv TH332Amv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.							
		Top Entry	1 x 3/8 1 x 1/2	CH803APmv†	CH810Amv	CH816Amv	
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY							
		Side Entry w/Lever(s)	1 x 3/4 1 x 1				LH032Amv LH132Amv
		Top Entry w/Lever(s)	1 x 3/4 1 x 1				LH232Amv LH332Amv
Bases — with Access Cover Post Bases accept Lever Hoods ONLY							
		Panel Base+ Posts w/Cover					PB232A
		Box Base+ Posts w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1				BB232Amv BB232A100mv BB332A BB332A100

** Low “L” profile may be available. Contact your Thomas & Betts sales representative.

† Indicates Thermoplastique renforcé de fibre de verre construction, light grey colour (add suffix)

* Indicates Thermoplastique renforcé de fibre de verre construction, black colour (add suffix); quantity purchase may be required

B Series 16 A 600 VAC

6, 10 & 16 Contacts + Ground

Accessories

Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-built wiring and easy terminal ID for service and testing

Cat. No.	Description
WAM-1	Label Insert Clip
WAM1B	Strip Blank
WAM1N64	Strip Nos. 1-64
WAM1AZ	Strip Letters A-Z



Use small blade screwdriver to push wire entry tab in for easy contact removal



Crimp Tool

Cat. No.
WT611TB

Install to Matching Series Hood/Base

6	10	16

Screw Terminal Inserts

	Screw Terminal Inserts	6 + G	10 + G	16 + G
	Male – Pins 20–14 AWG (0.5–2.5 mm ²)	MS206B	MS210B	MS216B
	Female – Sleeves 20–14 AWG (0.5–2.5 mm ²)		FS110B	FS116B
	Female – Sleeves 20–14 AWG (0.5–6 mm ²)	FS106B	FS116B (1–16) +	FS124B (1–24) +
			FS132B (17–32)	FS148B (25–48)

Screw Terminal Wiring Adapter Blocks

Screw Terminal Wiring Adapter Blocks	6 + G	10 + G	16 + G
 Female Insert, Ground L. 20–14 AWG (0.5–2.5 mm ²)	FS106WAL	FS110WAL	FS116WAL

Bases — Standard Mount				# of Contacts + Ground Connection				
				6	10		16	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type				
				Single	Single	Double	Single	Double
		Panel Base (No Cover)		PB306**	PB310	PB110E	PB316**	PB116E
		Panel Base w/Cover		PB406**	PB410**		PB416**	
		Box Base (No Cover)	1 x 1/2	BB406mv	BB410mv	BB010emv	BB416mv*	BB016Emv*
			1 x 3/4	BB406mvH075	BB410mvH075	BB010mvEH075	BB416H100mv	BB016EH100mv
			1 x 1	BB406H100mv	BB410mvH100	BB010EH100mv		
			2 x 1/2	BB506mv	BB510mv	BB110Emv		
			2 x 3/4	BB506H075mv	BB510H075mv	BB110EH075mv	BB516mv*	BB116Emv*
2 x 1	BB506H100	BB510H100	BB110EH100mv	BB516H100mv	BB116EH100mv			
		Box Base w/Cover	1 x 1/2	BB606mv**	BB610mv**		BB616mv* **	
			1 x 3/4	BB606H075mv**	BB610H075mv**		BB616mvH100**	
			1 x 1	BB606H100**	BB610H100mv**			
			2 x 1/2	BB706mv**	BB710mv**		BB716mv* **	
			2 x 3/4	BB706H075**	BB710H075mv**		BB716H100mv**	
2 x 1	BB706H100**	BB710H100mv**						
CAPOTS — Standard Mount Plastic body — “B” 3-16 Series Standard CAPOTS include gaskets; EMBASES and Special CAPOTS do not								
		Side Entry	1 x 1/2	SH606MV	SH610mv	SH010mv	SH616mv†	SH016mv†
			1 x 3/4	SH606H075mv	SH610H075mv	SH010H075mv		
			1 x 1	SH606H100mv	SH610H100mv	SH010H100mv		
		Top Entry	1 x 1/2	TH806mv	TH810mv	TH210mv	TH816mv†	TH216mv†
			1 x 3/4	TH806H075mv	TH810H075mv	TH210H075mv		
			1 x 1	TH806H100mv	TH810H100mv	TH210H100mv		
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.								
		Top Entry	1 x 1/2	CH806Hmv	CH810Emv	CH610E	CH816Hmv	CH616EHmv
			1 x 3/4	CH806H075mv	CH810H075mv	CH610EH075mv		
			1 x 1	CH806H100mv	CH810H100mv	CH610EH100mv		
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY								
		Side Entry w/Lever(s)	1 x 1/2			LH010Emv	LH016Emv*	
			1 x 3/4			LH010EH075mv		
			1 x 3/4			LH010EH100mv		
		Top Entry w/Lever(s)	1 x 1/2			LH210Emv	LH216E*	
			1 x 3/4			LH210EH075mv		
			1 x 1			LH210EH100mv		
Bases — with Access Cover Post Bases accept Lever Hoods ONLY								
		Panel Base+ Posts w/Cover				PB210**	PB216**	
		Box Base+ Posts w/Cover	1 x 1/2			BB210mv**	BB216mv* **	
			1 x 3/4			BB210H075mv**		
			1 x 1			BB210H100mv**		
			2 x 1/2			BB310mv**		
			2 x 3/4			BB310H075mv**		
2 x 1			BB310H100mv**					

* High "H" profile may be available. Contact your Thomas & Betts sales representative.
 ** Metal "M" cover may be available. Contact your Thomas & Betts sales representative.
 † High "H" and Low "L" profile may be available. Contact your Thomas & Betts sales representative.

B Series 16 A 600 VAC

24, 32 & 48 Contacts + Ground

Accessories

Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring and easy terminal ID for service and testing

Cat. No.	Description
WAM-1	Label Insert Clip
WAM1B	Strip Blank
WAM1N64	Strip Nos. 1-64
WAM1AZ	Strip Letters A-Z



Use small blade screwdriver to push wire entry tab in for easy contact removal



Crimp Tool
Cat. No.
WT611TB

Install to Matching Series Hood/Base

24	32	48

Screw Terminal Inserts

	Screw Terminal Inserts	24 + G	32 + G	48 + G
	Male – Pins 20–14 AWG (0.5–6 mm ²)	MS224B	MS216B (1–16)	MS224B (1–24)
			+ MS232B (17–32)	+ MS248B (25–48)
	Female – Sleeves 20–14 AWG (0.5–6 mm ²)	FS124B	FS116B (1–16) +	FS124B (1–24) +
			FS132B (17–32)	FS148B (25–48)

Screw Terminal Wiring Adapter Blocks

Screw Terminal Inserts	24 + G
	FS124WAL

Crimp Terminal Inserts

	Crimp Terminal Inserts	24 + G	32 + G	48 + G
	Male Insert	MC424B	(1–16) MC416B	(1–24) MC424B
			(17–32) MC432B	(25–48) MC448B
	Female Insert	FC324B	(1–16) FC316B	(1–24) FC324B
			(17–32) FC332B	(25–48) FC348B

				# of Contacts + Ground Connection			
Bases — Standard Mount				24	32	48	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type			
				Single	Double	Double	Single
		Panel Base (No Cover)		PB324	PB124E	PB132	PB348
		Panel Base w/Cover		PB424†			PB448
		Box Base (No Cover)	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB424mv* BB424H100mv BB524mv* BB524H100mv	BB024emv* BB024EH100mv BB124emv* BB124EH100mv	BB032mv BB132mv	BB448mv BB548mv
		Box Base w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB624mv*† BB624H100mv† BB724mv*† BB724H100mv†			BB648mv BB748mv
Hoods— Standard Mount Plastic body— “A” 3-16 Series Standard Hoods include gaskets; Bases and Special Hoods do not							
		Side Entry	1 x 3/4 1 x 1 1 x 1-1/4	SH624mv** SH724mv**	SH024mv** SH124mv**	SH032mv SH132mv SH132125mv	SH648mv SH748mv
		Top Entry	1 x 3/4 1 x 1 1 x 1-1/4 Ribbon Cbl	TH824mv** TH924mv**	TH224mv** TH324mv** TH424RCmv	TH232mv TH332mv TH332125mv	TH848mv TH948mv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.							
		Top Entry	1 x 3/4 1 x 1 Ribbon Cbl	CH824mv CH924mv	CH624Emv CH724Emv CH724ERCmv	CH632mv CH732mv	
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY							
		Side Entry w/Lever(s)	1 x 3/4 1 x 1		LH024Emv LH124Emv		
		Top Entry w/Lever(s)	1 x 3/4 1 x 1		LH224E LH324Emv		
Bases — with Access Cover Post Bases accept Lever Hoods ONLY							
		Panel Base+ Posts w/Cover			PB224†		
		Box Base+ Posts w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1		BB224mv*† BB224H100mv BB324mv*† BB324H100mv		

BASE
 BASE TO HOOD
 HOODS
 HOOD TO COUPLER
 COUPLERS
 HOODS
 BASE TO HOOD
 BASES

* High "H" profile may be available. Contact your Thomas & Betts sales representative.
 ** Low "L" profile may be available. Contact your Thomas & Betts sales representative.
 † Metal "M" cover may be available. Contact your Thomas & Betts sales representative.



C Series 35 A 600 VAC

6 or 12 Contacts + Ground

Install to Matching Series Hood/Base

6	12
	

Screw Terminal Contact Carrier Blocs de connexion

Screw Terminal Contact Carrier Blocs de connexion		6 + G	12 + G
 Male – Pins 20–10 AWG (0.5–6 mm ²)		MS206C	MS206C (1–6) + MS212C (7–12)
 Female – Sleeves 20–10 AWG (0.5–6 mm ²)		FS106C	FS106C (1–6) + FS112C (7–12)

				# of Contacts + Ground Connection		
Bases — Standard Mount				6	12	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type		
				Single	Double	Double
		Panel Base (No Cover)		PB316	PB116E	PB132
		Panel Base w/Cover		PB416		
		Box Base (No Cover)	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB416mv* BB416H100mv BB516mv* BB516H100mv	BB016Emv* BB016EH100mv BB116Emv* BB116EH100mv	BB032mv BB132mv
		Box Base w/Cover	1 x 1/2 1 x 1 2 x 1/2 2 x 1	BB616mv*† BB616H100mv† BB716mv*† BB716H100mv†		
Hoods — Standard Mount						
		Side Entry	1 x 3/4 1 x 1 1x 1-1/4	SH616mv‡ SH716Hmv	SH016mv‡ SH116Hmv	SH032mv SH132mv SH132125mv
		Top Entry	1 x 3/4 1 x 1 1x 1-1/4	TH816mv‡ TH816H100mv	TH216mv‡ TH316Hmv	TH232mv TH332mv TH332125mv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.						
		Top Entry	1 x 3/4 1 x 1	CH816Hmv CH916Hmv	CH616EHmv CH716EHmv	CH632mv CH732mv
		Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY				
		Side Entry w/Lever(s)	1 x 3/4 1 x 1		LH016Emv* LH116EHmv	
		Top Entry w/Lever(s)	1 x 3/4 1 x 1		LH216E* LH316EHmv	
Bases — with Access Cover Post Bases accept Lever Hoods ONLY						
		Panel Base w/Posts + Cover			PB216†	
		Box Base w/Posts + Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1		BB216mv*† BB216H100mv† BB316mv*† BB316H100mv†	

BASE
 BASE TO HOOD
 HOODS
 HOOD TO COUPLER
 COUPLERS
 HOODS
 BASE TO HOOD
 BASES

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 ** Low "L" profile may be available. Contact your Thomas & Betts sales representative.
 † Metal "M" cover may be available. Contact your Thomas & Betts sales representative.
 ‡ High "H" and Low "L" profile may be available. Contact your Thomas & Betts sales representative.

D Series 10 A 600 VAC

7 or 8, 15, 25 & 40 Contacts + Ground

Accessories

Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring and easy terminal ID for service and testing

Cat. No.	Description
WAM-1	Label Insert Clip
WAM1B	Strip Blank
WAM1N64	Strip Nos. 1–64
WAM1AZ	Strip Letters A–Z



Crimp Tool

Cat. No.

WT80



Extraction Tool

Cat. No.

RT614

See page D54 for POF installation and tools info.

Install to Matching Series Hood/Base

7 or 8	15	25	40

Crimp Terminal Inserts

Crimp Terminal Inserts	7 or 8 + G	15 + G	25 + G	40 + G
 Male Insert (Order contacts below)	MC407D or MC408D	MC415D	MC425D	MC440D
 Female Insert (Order contacts below)	FC307D or FC308D	FC315D	FC325D	FC340D

Contacts Sold Separately

Screw Terminal Wiring Adapter Blocks

Screw Terminal Wiring Adapter Blocks	—	—	—	40 + G
 Male Insert, Ground L. 26–16 AWG (0.2–1.5mm ²)	—	—	—	MS440WAL
 Female Insert, Ground L. 26–16 AWG (0.2–1.5mm ²)	—	—	—	FS340WAL

Contacts Selection Chart

Crimp Contacts	Wire AWG (mm ²)	Identification
	22+ AWG (0.14–.37)	1
	20 AWG 0 (0.5)	2
	18 AWG (0.75–1)	3
	16 AWG (01.5)	4
	14 AWG (2.5)	5

For Optic Contacts

Crimp Contacts	Wire AWG (mm ²)	Identification
	18 AWG (0.75–1)	3

For All Crimp Terminal “D” Inserts:

Female	Male
FP22SD	MP22SD
FP20SD	MP20SD
FP18SD	MP18SD
FP16SD	MP16SD
FP14SD	MP14SD

Female	Male
FP18SD	MP18SD

Bases — Standard Mount				# of Contacts + Ground Connection				
				7 ou 8	15	25	40	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type				
				Single	Single	Double	Single	Double
		Panel Base (No Cover)		PB303A(P)**	PB310A		PB316	PB116E
		Panel Base w/Cover		PB403A	PB410A	PB316A	PB416	
		Angled, (No Cover)		PB503A(P)**	PB416A			
		Box Base (No Cover)	1 x 3/8 1 x 1/2 2 x 1/2 1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB403Apmv**	BB410Amv BB510Amv	BB416Amv BB516Amv	BB416MV* BB416H100mv BB516MV* BB516H100mv	BB016Emv* BB016EH100mv BB116Emv* BB116EH100mv
			Box Base w/Cover	1 x 1/2 1 x 3/4 1 x 1 2 x 1/2 2 x 3/4 2 x 1		BB610Amv BB710Amv	BB616Amv BB716Amv	BB616MV*† BB616H100mv† BB716mv*† BB716H100mv†
Hoods— Standard Mount Plastic body— “A” 3-16 Series Standard Hoods include gaskets; Bases and Special Hoods do not								
		Side Entry	1 x 3/8 1 x 1/2 1 x 3/4 1 x 1	SH603apmv**	SH610Amv SH710Amv	SH616Amv SH716Amv	SH616MV‡ SH716Hmv‡	SH016mv‡ SH116Hmv
			Top Entry	1 x 3/8 1 x 1/2 1 x 3/4 1 x 1	TH803Apmv**	TH810Amv TH910Amv	TH816Amv TH916Amv	TH816mv‡ TH816H100mv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.								
		Top Entry	1 x 3/8 1 x 1/2 1 x 3/4 1 x 1	CH803Apmv**	CH810Amv	CH816Amv	CH816Hmv CH916Hmv	CH616EHmv CH716EHmv
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY								
		Side Entry w/Lever(s)	1 x 3/4 1 x 1					LH016Emv* LH116EHmv
		Top Entry w/Lever(s)	1 x 3/4 1 x 1					LH216E* LH316EHmv
Bases — with Access Cover Post Bases accept Lever Hoods ONLY								
		Panel Base+ Posts w/Cover						PB216†
		Box Base+ Posts w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1					BB216mv*† BB216H100mv† BB316mv*† BB316H100mv†

* High "H" profile may be available. Contact your Thomas & Betts sales representative.
 ** Low "L" profile may be available. Contact your Thomas & Betts sales representative.
 † Metal "M" cover may be available. Contact your Thomas & Betts sales representative.
 ‡ High "H" and Low "L" profile may be available. Contact your Thomas & Betts sales representative.

D Series 10 A 600 VAC

50, 64, 80 & 128 Contacts + Ground

Install to Matching Series Hood/Base



Accessories

Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring and easy terminal ID for service and testing

Cat. No.	Description
MP22SD	Label Insert Clip
MP20SD	Strip Blank
MP18SD	Strip Nos. 1-64
MP16SD	Strip Letters A-Z



Crimp Tool

Cat. No.
WT80



Extraction Tool

Cat. No.
RT614

Crimp Terminal Inserts

	Crimp Terminal Inserts	50 + G	64 + G	80 + G	128 + G
	Male Insert (Order contacts below)	MC425D (2x)	MC464D	MC440D (2x)	MC464D (2x)
	Female Insert (Order contacts below)	FC325D (2x)	FC364D	FC340D (2x)	FC364D (2x)

Contacts Sold Separately

Contacts Selection Chart

Crimp Contacts	Wire AWG (mm ²)	Identification
	22+ AWG (0.14-37)	1
	20 AWG 0 (0.5)	2
	18 AWG (0.75-1)	3
	16 AWG (01.5)	4
	14 AWG (2.5)	5

For Optic Contacts

Crimp Contacts	Wire AWG (mm ²)	Identification
	18 AWG (0.75-1)	3

For All Crimp Terminal "D" Inserts:

Female	Male
FP22SD	MP22SD
FP20SD	MP20SD
FP18SD	MP18SD
FP16SD	MP16SD
FP14SD	MP14SD

Female	Male
FP18SD	MP18SD

				# of Contacts + Ground Connection				
Bases — Standard Mount				50	64	80	128	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type				
				Double	Single	Double	Double	Single
		Panel Base (No Cover)		PB132A	PB324	PB124E	PB132	PB348
		Panel Base w/Cover			PB424			
		Box Base (No Cover)	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB032Amv BB832Amv BB132Amv BB132A100	BB424mv* BB424H100mv BB524mv* BB524H100mv	BB024emv* BB024EH100mv BB124emv* BB124EH100mv	BB032mv BB132mv	BB448mv BB548mv
		Box Base w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1		BB642*† BB642H100† BB724mv*† BB724H100mv†			BB648mv BB748mv
Hoods— Standard Mount Plastic body— “A” 3-16 Series Standard Hoods include gaskets; Bases and Special Hoods do not								
		Side Entry	1 x 3/4 1 x 1 1 x 1-1/4	SH032Amv SH132Amv	SH624mv** SH724mv**	SH024mv** SH124mv**	SH032mv SH132mv	SH648mv SH748mv
		Top Entry	1 x 3/4 1 x 1 1 x 1-1/4 Ribbon Cbl	TH232Amv TH332Amv	TH824mv** TH924mv TH624RC	TH224mv** TH324mv TH424RC	TH232mv TH332mv	TH848mv TH948
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.								
		Top Entry	1 x 3/4 1 x 1 Ribbon Cbl		CH824mv CH924mv	CH624Emv CH724Emv CH724ERCVM	CH632mv CH732mv	
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY								
		Side Entry w/Lever(s)	1 x 3/4 1 x 1	LH032Amv LH132Amv		LH024Emv LH124Emv		
		Top Entry w/Lever(s)	1 x 3/4 1 x 1	LH232Amv LH332Amv		LH224E LH324Emv		
Bases — with Access Cover Post Bases accept Lever Hoods ONLY								
		Panel Base+ Posts w/Cover		PB232A		PB224†		
		Box Base+ Posts w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB232Amv BB232A100mv BB332A BB332A100		BB224mv*† BB224H100mv BB324mv*† BB324H100mv		

BASE
HOODS
HOOD TO COUPLER
COUPLERS
HOODS
BASE TO HOOD
BASES

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 ** Low "L" profile may be available. Contact your Thomas & Betts sales representative.
 † Metal "M" cover may be available. Contact your Thomas & Betts sales representative.
 ‡ High "H" and Low "L" profile may be available. Contact your Thomas & Betts sales representative.

DD Series 10 A 600 VAC

24, 42 & 72 Contacts + Ground

Install to Matching Series Hood/Base



Crimp Tool

Cat. No.

WT80



Extraction Tool

Cat. No.

RT614

Crimp Terminal Inserts

	Screw Terminal Inserts	24 + G	42 + G	72 + G
	Male Insert (Order contacts below)	MC224DD	MC242DD	MC272DD
	Female Insert (Order contacts below)	FC124DD	FC142DD	FC172DD
















Contacts Selection Chart

Crimp Contacts	Wire AWG (mm ²)	Identification
	22+ AWG (0.14–.37)	1
	20 AWG 0 (0.5)	2
	18 AWG (0.75–1)	3
	16 AWG (0.1.5)	4
	14 AWG (2.5)	5

For All Crimp Terminal “DD” Inserts:

Female	Male
FP22SD	MP22SD
FP20SD	MP20SD
FP18SD	MP18SD
FP16SD	MP16SD
FP14SD	MP14SD

See page D54 for POF installation and tools info.

Bases — Standard Mount				# of Contacts + Ground Connection				
				24	42		72	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type				
				Single	Single	Double	Single	Double
		Panel Base (No Cover)		PB306**	PB310**	PB110E	PB316	PB116E
		Panel Base w/Cover		PB406**	PB410**		PB416	
		Box Base (No Cover)	1 x 1/2	BB406mv	BB410mv	BB010emv	BB416mv*	BB016Emv*
			1 x 3/4	BB406mvH075	BB410H075mv	BB010EH075mv	BB416H100mv	BB016EH100mv
			1 x 1	BB406H100mv	BB410H100mv	BB010EH100mv		
			2 x 1/2	BB506mv	BB510mv	BB110Emv		
			2 x 3/4	BB506H075mv	BB510H075mv	BB110EH075mv	BB516mv*	BB116Emv*
2 x 1	BB506H100	BB510H100	BB110EH100mv	BB516H100mv	BB116EH100mv			
		Box Base	1 x 1/2	BB606mv**	BB610mv**		BB616mv* **	
			1 x 3/4	BB606H075mv**	BB610H075mv**		BB616H100mv**	
			1 x 1	BB606H100**	BB610H100mv**			
			2 x 1/2	BB706mv**	BB710mv**			
			2 x 3/4	BB706H075**	BB710H075mv**		BB716mv* **	
2 x 1	BB706H100**	BB710H100mv**		BB716H100mv**				
Hoods — Standard Mount								
		Side Entry	1 x 1/2	SH606mv	SH610mv	SH010mv		
			1 x 3/4	SH606H075mv	SH610H075mv	SH010H075mv	SH616mv†	SH016mv†
			1 x 1	SH606H100mv	SH610H100mv	SH010H100mv	SH716Hmv†	SH116Hmv
		Top Entry	1 x 1/2	TH806mv	TH810mv	TH210mv		
			1 x 3/4	TH806H075mv	TH810H075mv	TH210H075mv	TH816mv†	TH216mv†
			1 x 1	TH806H100mv	TH810H100mv	TH210H100mv	TH816H100mv	TH316Hmv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.								
		Top Entry w/ Leveler(s)	1 x 1/2	CH806	CH810	CH610E		
			1 x 3/4	CH806H075mv	CH810H075mv	CH610EH075mv	CH816Hmv	CH616EHmv
			1 x 1	CH806H100mv	CH810H100mv	CH610EH100mv	CH916Hmv	CH716EHmv
Lever Hoods — Reversed Locking Lever Hoods mate to Post Bases ONLY								
		Side Entry w/Lever(s)	1 x 1/2			LH010Emv		LH016Emv*
			1 x 3/4			LH010EH075mv		LH116EHmv
		Top Entry w/Lever(s)	1 x 1/2			LH210Emv		LH216E*
			1 x 3/4			LH210EH075mv		LH316EHmv
	1 x 1					LH210EH100mv		
Bases — with Access Cover Post Bases accept Lever Hoods ONLY								
		Panel + Posts w/Cover				PB210**		PB216**
		Box + Posts w/Cover	1 x 1/2			BB210mv**		BB216mv* **
			1 x 3/4			BB210H075mv**		BB216H100mv**
			1 x 1			BB210H100mv**		
			2 x 1/2			BB310mv**		BB316mv* **
			2 x 3/4			BB310H075mv**		BB316H100mv**
			2 x 1			BB310H100mv**		

* High "H" profile may be available. Contact your Thomas & Betts sales representative.

** Low "L" profile may be available. Contact your Thomas & Betts sales representative.

† Metal "M" cover may be available. Contact your Thomas & Betts sales representative.

‡ High "H" and Low "L" profile may be available. Contact your Thomas & Betts sales representative.

DD Series 10 A 600 VAC

108, 144 & 216 Contacts + Ground

Install to Matching Series Hood/Base

108	144	216
		



Crimp Tool

Cat. No.

WT80





Extraction Tool

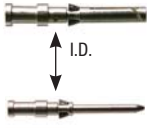
Cat. No.

RT614

Crimp Terminal Inserts

	Crimp Terminal Inserts	108 + G	144 + G	216 + G
	Male Insert (Order contacts below)	MC208DD	MC272DD+ MC244DD	MC208DD+ MC216DD
	Female Insert (Order contacts below)	FC108DD	FC172DD+ FC144DD	FC108DD+ FC116DD

Contacts Selection Chart

Crimp Contacts	Wire AWG (mm ²)	Identification
	22+ AWG (0.14–.37)	1
	20 AWG 0 (0.5)	2
	18 AWG (0.75–1)	3
	16 AWG (0.1.5)	4
	14 AWG (2.5)	5

For All Crimp Terminal “DD” Inserts:

Female	Male
FP22SD	MP22SD
FP20SD	MP20SD
FP18SD	MP18SD
FP16SD	MP16SD
FP14SD	MP14SD

See page D54 for POF installation and tools info.

Bases — Standard Mount				# of Contacts + Ground Connection			
				108		144	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type			
				Single	Double	Double	Single
		Panel Base (No Cover)		PB324	PB124E	PB132	PB348
		Panel Base w/Cover		PB424†			PB448
		Box Base (No Cover)	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB424mv* BB424H100mv BB524mv* BB524H100mv	BB024EMV* BB024EH100mv BB124emv* BB124EH100mv	BB032mv BB132mv	BB448mv BB548mv
		Box Base w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB624MV*† BB624H100mv† BB724mv*† BB724H100mv†			BB648mv BB748mv
Hoods— Standard Mount							
		Side Entry	1 x 3/4 1 x 1 1 x 1-1/4	SH624mv** SH724mv**	SH024mv** SH124mv**	SH032mv SH132mv SH132125mv	SH648mv SH748mv
		Top Entry	1 x 3/4 1 x 1 1 x 1-1/4	TH824mv** TH924mv**	TH224mv** TH324mv**	TH232mv TH332mv TH332125mv	TH848mv TH948mv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.							
		Top Entry	1 x 3/4 1 x 1	CH824MV CH924MV	CH624EMV CH724EMV	CH632mv CH732mv	
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY							
		Side Entry w/Lever(s)	1 x 3/4 1 x 1		LH024Emv LH124Emv		
		Top Entry w/Lever(s)	1 x 3/4 1 x 1		LH224E LH324Emv		
Bases — with Access Cover Post Bases accept Lever Hoods ONLY							
		Panel Base+ Posts w/Cover			PB224†		
		Box Base+ Posts w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1		BB224mv*† BB224H100mv BB324mv*† BB324H100mv		

BASE

BASE TO HOOD

HOODS

HOOD TO COUPLER

COUPLERS

HOODS

BASE TO HOOD

BASES

* High "H" profile may be available. Contact your Thomas & Betts sales representative.
 ** Low "L" profile may be available. Contact your Thomas & Betts sales representative.
 † Metal "M" cover may be available. Contact your Thomas & Betts sales representative.

K Series 80A + 16 A 600 VAC

4 @ 80A + 8 @ 16A



8 @ 80A + 16 @ 16A Contacts

+ Ground
















Install to Matching Series Hood/Base

4 @ 80A + 8 @ 16A + G	8 @ 80A + 16 @ 16A + G
	

Screw Terminal Contact Carrier Blocs de connexion

	Screw Terminal Contact carrier Blocs de connexion	4 @ 80A+ 8 @ 16A+G	8 @ 80A+ 16 @ 16A+G
	Male – Pins	MS212K	MS212K (x2)
	Female – Sleeves	FS112K	FS112K (x2)

Wiring Note: To #6 AWG (16 mm²) contacts 80 A and to #14 AWG (2.5 mm²) 16A contacts

			K-12		K-24	
Bases — Standard Mount			4 @ 80A + 8 @ 16A + G		8 @ 80A + 16 @ 16A + G	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type		
				Single	Double	Single
		Panel Base (No Cover)		PB324	PB124E	PB348
		Panel Base w/Cover		PB424		
		Box Base (No Cover)	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB424mv* BB424H100mv BB524mv* BB524H100mv	BB024emv BB024EH100mv BB124emv* BB124EH100mv	BB448mv BB548mv
		Box Base w/Cover	1 x 3/4 1 x 1 2 x 3/4 2 x 1	BB624MV† BB624H100mv† BB724mv†* BB724H100mv†		BB648mv BB748mv
Hoods— Standard Mount Plastic body— “A” 3-16 Series Standard Hoods include gaskets; Bases and Special Hoods do not						
		Side Entry	1 x 3/4 1 x 1 1 x 1-1/4	SH624mv** sh724mv**	SH024mv** SH124mv**	SH648mv SH748mv
		Top Entry	1 x 3/4 1 x 1 1 x 1-1/4	TH824mv** TH924mv	TH224mv** TH324mv	TH848mv TH948mv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.						
		Top Entry	1 x 3/4 1 x 1	CH824mv CH924mv	CH624Emv CH724Emv	
Lever Hoods — Reverse Locking Lever Hoods mate to Post Bases ONLY						
		Side Entry w/Lever(s)	1 x 3/4 1 x 1		LH032Amv LH132Amv	
		Top Entry w/Lever(s)	1 x 3/4 1 x 1		LH232Amv LH332Amv	
Bases — with Access Cover Post Bases accept Lever Hoods ONLY						
		Panel Base+ Posts w/Cover			PB224†	
		Box Base+ Posts w/Cover	1 x 3/4 2 x 3/4		BB224mv†* BB324mv†*	

BASE
BASE TO HOOD
HOODS
HOOD TO COUPLER
COUPLERS
HOODS
BASE TO HOOD
BASES

* High "H" profile may be available. Contact your Thomas & Betts sales representative.
 ** Low "L" profile may be available. Contact your Thomas & Betts sales representative.
 † Metal "M" cover may be available. Contact your Thomas & Betts sales representative.

V Series 16 A 600 VAC

- 3 & 6 Contacts
- + Control Contacts
- & Ground



Use small blade screwdriver to push wire entry tab in for easy contact removal



Crimp Tool





Cat. No.
WT611TB

Install to Matching Series Hood/Base

3 + G + 2 Control	6 + G + 2 Control

Install to Matching Series Hood/Base

	Screw Terminal Inserts	3 + G + 2 Control	6 + G + 2 Control
	Male – Pins 20–14 AWG (0.5–2.5 mm ²)	MS203V	MS206V
	Female – Sleeves 20–14 AWG (0.5–2.5 mm ²)	FS103V	FS106V

Hoods— Standard Mount				# of Contacts + Ground Connection			
				3 + G + 2 Control		6 + G + 2 Control	
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type			
				Single	Double	Single	Double
		Side Entry	1 x 1/2 1 x 3/4	SH603V —	SH003V —	— SH606Vmv	— SH006V
		Top Entry	1 x 1/2 1 x 3/4	TH803Vmv —	TH203V —	— TH806Vmv	— TH206V

HOODS

* Metal "M" cover may be available. Contact your Thomas & Betts sales representative.

V Series 16 A 600 VAC

20, 26 & 32 Contacts
 + 2 Control Contacts
 & Ground



Use small blade screwdriver to push wire entry tab in for easy contact removal





Crimp Tool






Cat. No.

WT611TB

20 + G + 2 Control	26 + G + 2 Control	32 + G + 2 Control

Screw Terminal Inserts

Screw Terminal Inserts	20 + G + 2 Control	26 + G + 2 Control
 <p>Male – Pins 20–14 AWG (0.5–2.5 mm²)</p>	MS210V	MS210V + MS216V
 <p>Female – Sleeves 20–14 AWG (0.5–2.5 mm²)</p>	FS110V	FS110V + FS116V

Bases — Standard Mount			# of Contacts + Ground Connection
			V20: (20 + G) or (26 + G) or (32 + G) + 2 Control
Single Lever	Housing	NPT Entry (in.)	Lever Locking Type
			Single
	Panel Base (No Cover)		PB348
	Panel Base w/Cover		PB448
	Box Base (No Cover)	1 x 3/4	BB448mv
		1 x 1 2 x 3/4 2 x 1	BB548mv
	Box Base (No Cover)	1 x 3/4	BB648mv
		1 x 1 2 x 3/4 2 x 1	BB748mv
Hoods— Standard Mount*Plastic body — “A” 3–16 Series standard CAPOTS include Gaskets: EMBASES and Special CAPOTS do not			
	Side Entry	1 x 3/4	SH648mv
		1 x 1 1 x 1-1/4	SH748mv
	Top Entry	1 x 3/4	TH848mv
		1 x 1 1 x 1-1/4	TH948mv

BASE

BASE TO HOOD

HOODS

† Metal “M” cover may be available. Contact your Thomas & Betts sales representative.
* Indicates glass-filled thermoplastic construction, black colour (add suffix); quantity purchase may be required

T Series 16 A 600 VAC

6, 10, 16 & 24 Contacts



+ Ground

- High-temp 200°C rated inserts
- Silicone Viton® seals for molded edge gaskets*
- Corrosion-resistant copper-free aluminum housings with special finish
- UL94V-0 ergonomic thermoplastic handles
- Electrostatic epoxy powder-coated finish

*Viton® is a trademark of DuPont Performance Elastomers



Crimp Terminal Inserts

	Screw Terminal Inserts*	6 + G	10 + G	16 + G	24 + G
	Male – Pins 20–14 AWG (0.5–2.5 mm ²)	MS206T	MS210T	MS216T	MS224T
	Female – Sleeves 20–14 AWG (0.5–2.5 mm ²)	FS106T	FS110T	FS116T	FS124T

* Blocs de connexion may be dark brown or grey in colour

Bases — Standard Mount				6	10	16	24
Single Lever	Double Lever	Housing	NPT Entry (in.)	Lever Locking Type			
				Single	Double	Double	Double
		Panel Base		PB306T	PB110T	PB116T	PB124T
		Box Base (No Cover)	1 x 1/2	BB406Tmv	BB010Tmv		
			1 x 3/4			BB016Tmv	BB024Tmv
			2 x 1/2	BB506Tmv	BB110Tmv		
			2 x 3/4			BB116Tmv	BB124Tmv
Hoods— Standard Mount							
		Side Entry	1 x 1/2	SH606T	SH010Tmv		
			1 x 3/4			SH016Tmv	SH024Tmv SH124Tmv
			1 x 1				
		Top Entry	1 x 1/2	TH806T	TH210T		
			1 x 3/4			TH216T	TH224T
			1 x 1				TH324Tmv
Coupler Hoods — Inline For inline, portable or special service connections. Coupler Hoods mate to Standard Hoods ONLY.							
		Top Entry	1 x 1/2	CH806T	CH610T		
			1 x 3/4			CH616Tmv	CH624T
			1 x 1			CH716T	CH724T

BASE
BASE TO HOOD
HOODS
HOOD TO COUPLER
COUPLERS

Note: Hoods and Bases are black colored to denote special T Series

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

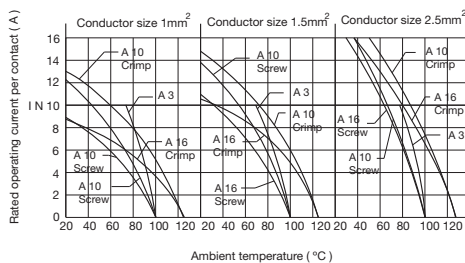
Screw Terminals Wire AWG 20-14 AWG (0.5-2.5 mm²)

+ with Wire Protection
Crimp Terminals 20-12 AWG (0.5-2.5 mm²)

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

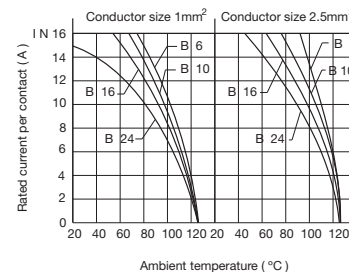
Screw Terminals Wire AWG 20-14 AWG (0.5-2.5 mm²)

+ with Wire Protection
Crimp Terminals 20-12 AWG (0.5-2.5 mm²)

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

Contacts (+ Ground)	6, 12 (2 x 6)
Working Current	35 A
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

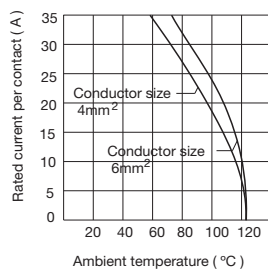
Material	Solid drilled copper alloy
Surface	Hard silver plated Hard gold plated available
Contact Resistance	≤ 0.5 milliohm
Screw Terminals	Wire AWG
+ with Wire Protection	20–10 AWG (0.5–6.0 mm ²)
+ w/o Wire Protection	n/a

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



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

Contacts (+ Ground)	7, 8, 15, 25, 40, 50 (2 x 25) 64, 80 (2 x 40), 128 (2 x 64)
Working Current	10 A
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

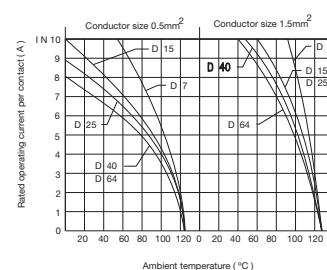
Material	Solid drilled copper alloy
Surface	Hard silver plated Hard gold plated available
Contact Resistance	≤ 3 milliohm
Crimp Terminals	Wire AWG
	26–14 AWG (0.142–2.5 mm ²)
	POF {0} 1mm
	> Glass Fiber Optic Cable

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

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

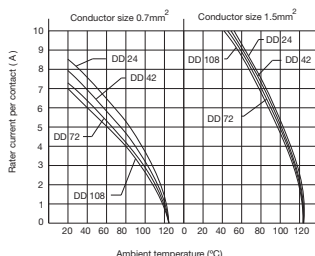
Contacts

Material Solid drilled copper alloy
Surface Hard silver plated
Hard gold plated available
Contact Resistance ≤ 3 milliohm
Crimp Terminals Wire AWG
26–14 AWG (0.14–2.5mm²)
> 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 mm²)
(80A Contacts) 18–4 AWG (1.5–16.0 mm²)

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

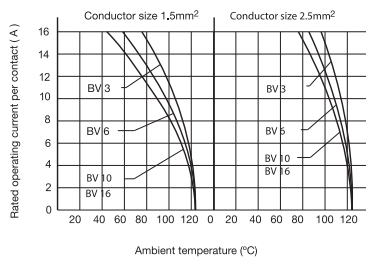
Contacts

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 mm²)
Crimp Terminals 20–12 AWG (0.5–2.5 mm²)

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

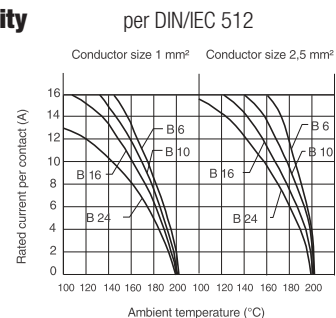
Contacts

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 mm²)

Housings

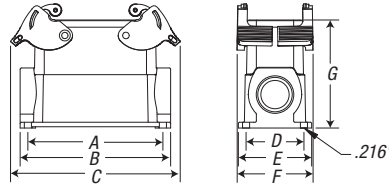
Materials Copper-free die-cast aluminum alloy
Viton® Seal Gaskets Green epoxy powder coating
Temperature Range -40°C/-40°F to +200°C /+392°F
Internal Protection IP65 locked positions
 per DIN VDE 0470, IEC 529

Thermal Capacity

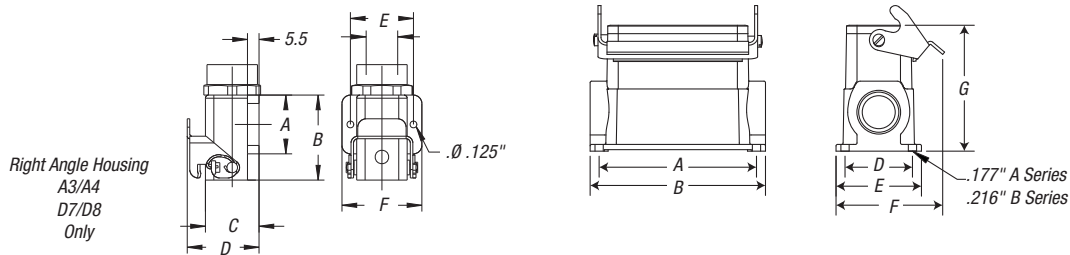


Technical Information

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 (124)	5.28 (134)	2.64 (67)	3.20 (81.5)	3.62 (92)	2.83 (72)

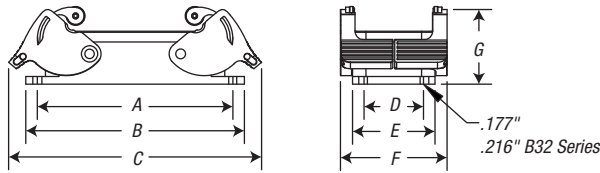


Housing Series					Dimensions are in inches (millimeters)						
A, B, T, K	C, V	D	DD	Cat. No.	A	B	C	D	E	F	G
A3, A4		D7, D8		BB403A(P)*	1.10 (28)	1.59 (40.5)	1.00 (25.5)	1.42 (36)	1.18 (30)	1.50 (38)	—
A10		D15		BB_10A	1.89 (48)	—	3.66 (93)	1.57 (40)	1.97 (50)	2.32 (59)	2.05 (52)
A16		D25		BB_16A	2.52 (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

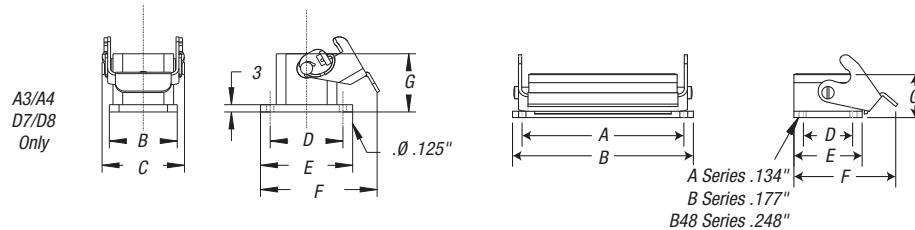
Technical Information

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			PB132A	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	PB110E	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	PB116E	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	PB124E	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	PB132E	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

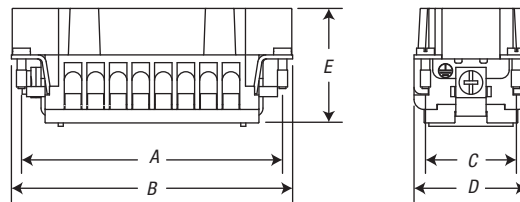


Housing Series					Dimensions are in inches (millimeters)						
A, B, T, K	C, V	D	DD	Cat. No.	A	B	C	D	E	F	G
A3, A4		D7, D8		PB303A (P)*	—	1.10 (28)	1.34 (34)	1.18 (30)	1.50 (38)	1.67 (42.5)	0.95 (24)
				PB403A (P)*	—	1.10 (28)	1.38 (35)	1.18 (30)	1.58 (40)	1.85 (47)	0.95 (24)
				PB503A (P)	1.10 (28)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

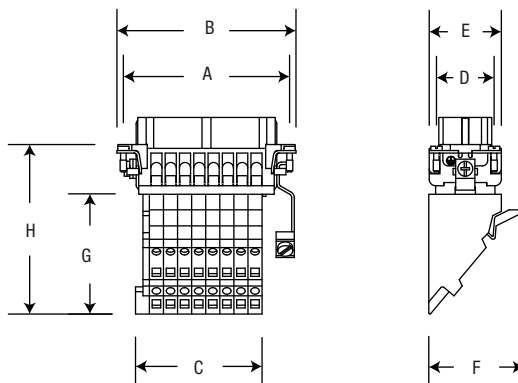
- Insert Mounting Screws accept a Pozi-drive screwdriver head
- Common cross-point or bladed screwdrivers will also work
- Specs refer to Pozi-drive or bladed common torque only

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

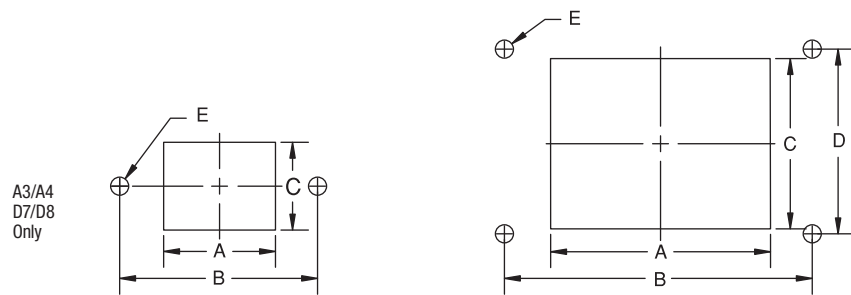


Insert Series	Cat. No.	Dimensions are in inches (millimeters)							
		A	B	C	D	E	f	g	H
B6	FS106WAL	1.73 (44)	2.01 (51)	1.03 (26.3)	1.06 (27)	1.34 (34)	1.77 (45)	2.28 (58)	3.54 (90)
	FS106WAR								
	MS206WAL								
	MS206WAR								
B10	FS110WAL	2.13 (54)	2.52 (64)	1.55 (39.5)	1.06 (27)	1.34 (34)	1.77 (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

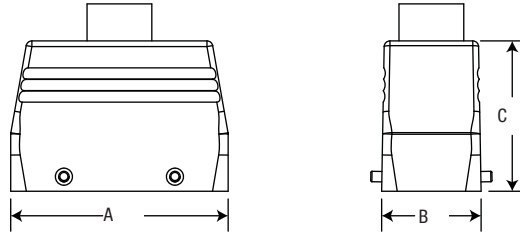


Housing Series				Dimensions are in inches (millimeters)				
A, B, T, K	C, V	D	DD	A	B	C	D	E
A3, A4		D7, D8		0.83 (21)	1.18 (30)	0.83 (21)	—	0.125 (3.2)
A10		D15		1.71 (43.5)	2.76 (70)	0.95 (24)	0.68 (17.5)	0.134 (3.4)
A16		D25		2.36 (60)	3.39 (86)	0.95 (24)	0.68 (17.5)	0.134 (3.4)
A32		D50		2.36 (60)	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

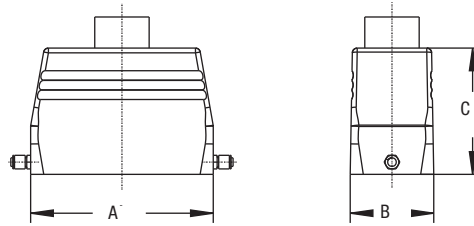


Cat. No.	Housing Series				Dimensions are in inches (millimeters)		
	A, B, t, k	c, v	D	DD	A	B	C
SH_32A	A32	—	D50	—	3.23 (82)	2.21 (56)	2.99 (76)
TH_32A	—	—	—	—	3.23 (82)	2.21 (56)	2.99 (76)
SH_10	—	—	—	—	2.87 (73)	1.69 (43)	2.05 (52)
M3SH_10H___	B10, T10	V3	—	DD42	2.87 (73)	1.69 (43)	2.05 (52)
TH_10	—	—	—	—	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

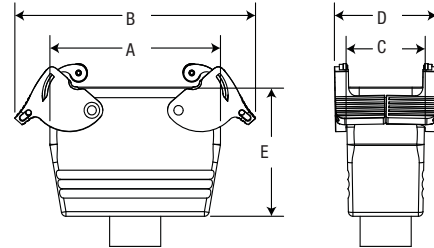


Cat. No.	Housing Series				Dimensions are in inches (millimeters)		
	A, B, t, k	c, v	D	DD	a	b	c
SH603A(P)V	A3, A4	—	D7, D8	—	1.04 (26.5)	1.04 (26.5)	1.89 (48)
TH803A(P)V	—	—	—	—	1.04 (26.5)	1.04 (36.5)	1.89 (48)
SH_10A	—	—	—	—	2.48 (63)	1.42 (36)	2.60 (66)
SH_10AL	A10	—	D15	—	2.48 (63)	1.16 (29.5)	2.09 (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

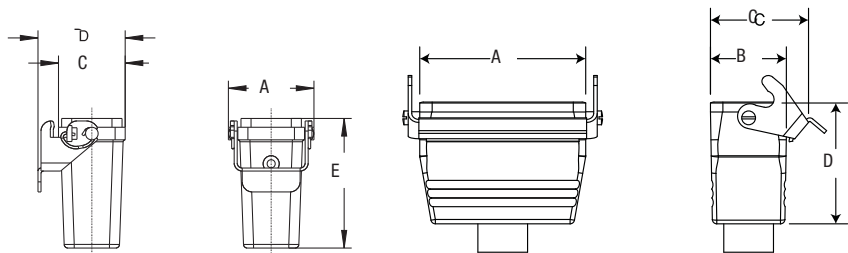


Cat. No.	Housing Series				Dimensions are in inches (millimeters)				
	A, B, t, k	c, v	D	DD	A	B	C	D	E
CH610E	B10, T10	V3	D40	DD42	2.87 (73)	4.33 (110)	1.69 (43)	2.28 (58)	2.02 (51.5)
CH610EHxxx					2.87 (73)	4.33 (110)	1.69 (43)	2.28 (58)	2.87 (73)
CH_16E	B16, T16	C6, V6	D40	DD72	3.70 (94)	5.16 (131)	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**



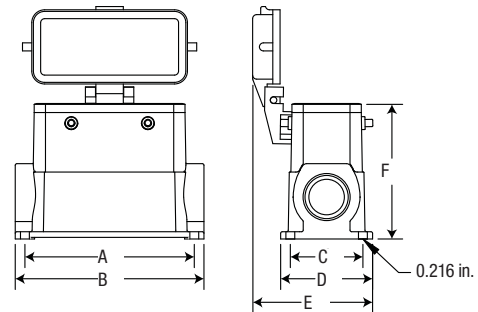
Cat. No.	Housing Series				Dimensions are in inches (millimeters)				
	A, B, t, k	c, v	D	DD	A	B	C	D	E
CH803A(P)*	A3, A4		D7, D8		1.34 (34)	—	1.04 (26.5)	1.43 (36.5)	2.02 (51.5)
CH810A	A10		D15		2.48 (63)	—	1.16 (29.5)	1.92 (49)	1.89 (48)
CH816A	A16	C6, V6	D25		3.13 (79.5)	—	1.16 (29.5)	1.92 (49)	2.09 (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)

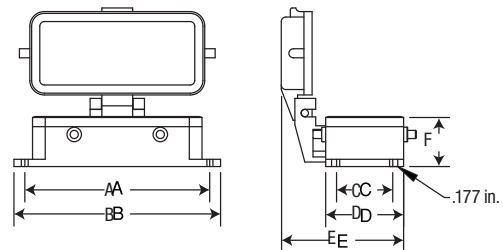


Cat. No.	Housing Series				Dimensions are in inches (millimeters)					
	A, B, t, k	c, v	D	DD	A	B	C	D	E	F
BB_32A	A32		D50		3.70 (94)	4.17 (106)	1.81 (46)	2.32 (59)	3.11 (79)	3.20 (81.5)
BB_32A100					3.70 (94)	4.17 (106)	1.81 (46)	2.32 (59)	3.11 (79)	3.20 (81.5)
BB_10	B10, T10	V3		DD42	3.23 (82)	3.66 (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

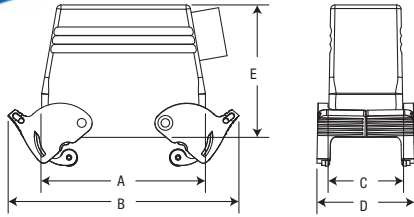
Mounting Dimensions for Double Post Panel Bases

(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**

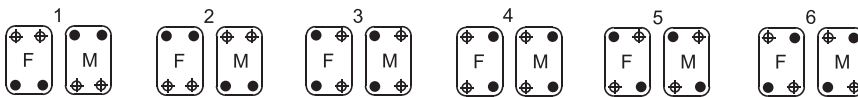
Coding Pin



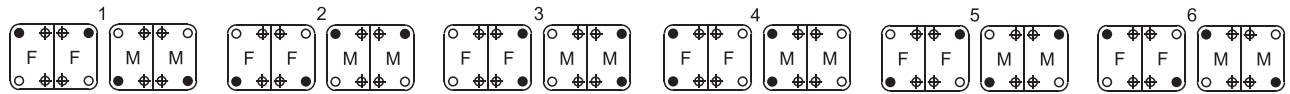
Coding Pins:

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

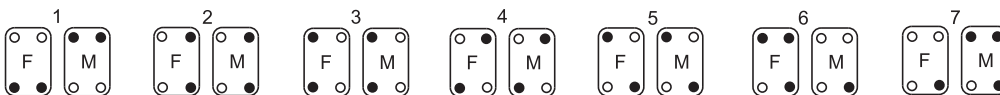


FG602

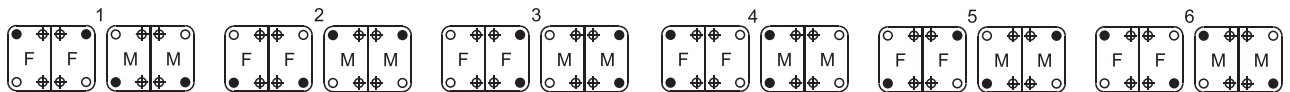
Guide Pins and Sleeves:

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

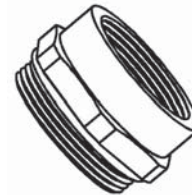
Cat. No.	NPT Thread (mating) (in.)	Thread (at Housing)
PG11-38	3/8	PG11
PG16-50	1/2	PG16
PG21-75	3/4	PG21
PG29-100	1	PG29
PG29-125	1-1/4	PG29
PG36-125	1-1/4	PG36
PG36-150	1-1/2	PG36
PG42-200	2	PG42



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

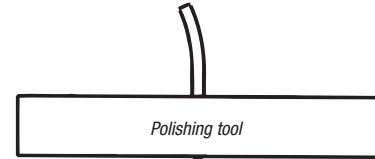
PG Threads Cat. No.	Cord Range		Thread Size (in.)
	in.	mm	
CC-PG11-G	0.197–0.394	5–10	11
CC-PG135-G	0.336–0.473	6–12	13.5
CC-PG16-G	0.394–0.551	10–14	16
CC-PG21-G	0.512–0.709	13–18	21
CC-PG29-G	0.709–0.984	18–25	29
CC-PG36-G	0.867–1.126	22–32	36



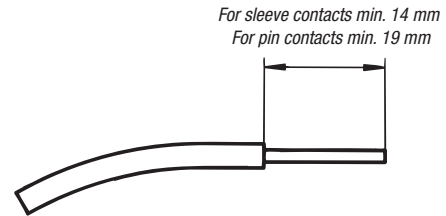
Technical Information

Instructions for Connection with Fiber Optic (POF Cable)

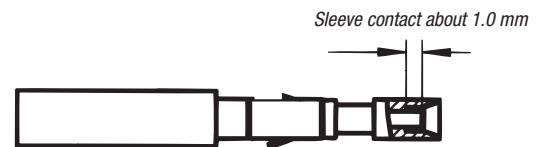
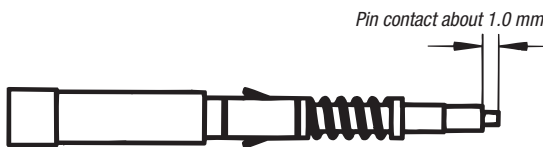
1. Before crimping the POF* cable, 1.0 mm to the glass fiber cable contact, the end of the fiber has to be polished. Stick end of POF cable into polishing tool and grind on a plane surface (e.g. glass plate). Wipe off any residues after polishing. The best optical damping values are achieved with wet-polishing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



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



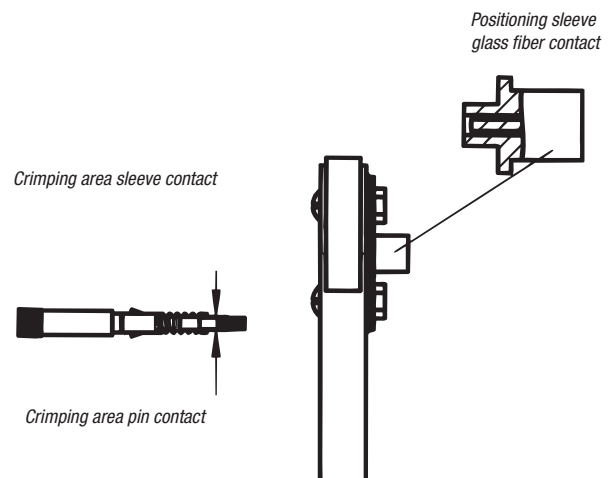
3. Insert stripped POF cable in sleeve or pin contact until stop. The optical fiber should then stick about 1 mm out of the contact.



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