

- Highly rugged multiple connectors for heavy duty applications
- Several contacts options
- High resistance metal enclosure
- Enclosure with degree of protection IP55 (IEC 60529)
- Thermoplastic enclosure for corrosive atmospheres
- Male/female polarized connection
- Silver plated contacts with screw or spring terminal
- Hoods supplied with assembled cable gland
- Ground contact for all male/female inserts
- Locking lever against accidental opening
- Optional cover to protect opened housings

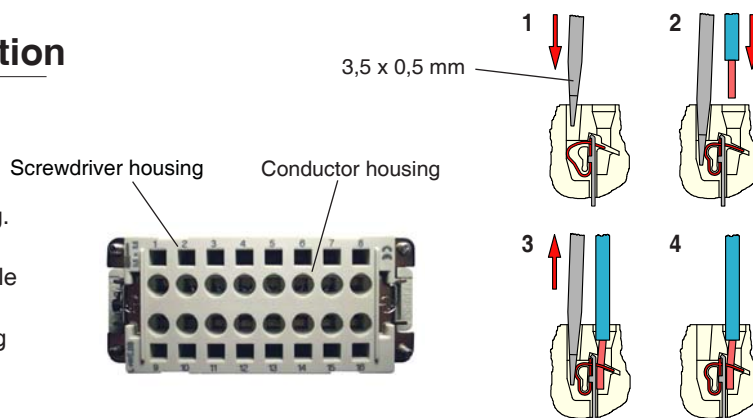


### Specifications

Electrical Ratings	<b>PB...M</b> and <b>PB...F</b> / <b>PBH...M</b> and <b>PBH...F</b> : 16 A 380 V
	<b>PB635M</b> and <b>PB635F</b> : 35 A 400 V
	<b>PB4/6M</b> and <b>PB4/6F</b> : 35 A 600 V and 16 A 380 V
	<b>PB4/8M</b> e <b>PB4/8F</b> : 80 A 400 V and 16 A 230/400 V
Nº of Poles	<b>PB...M</b> and <b>PB...F</b> / <b>PBH...M</b> and <b>PBH...F</b> : 6, 10, 16, 24, 32 and 48 poles + ground contact
	<b>PB635M</b> and <b>PB635F</b> : 6 poles + ground contact
	<b>PB4/6M</b> and <b>PB4/6F</b> : 4 poles 35 A + 6 poles 16 A + ground contact
	<b>PB4/8M</b> and <b>PB4/8F</b> : 4 poles 80 A + 8 poles 16 A + ground contact
Contact Resistance	5 mΩ maximum initial for each pole (all inserts)
Ambient Temperature (work and storage)	<b>PB...M</b> and <b>PB...F</b> / <b>PBH...M</b> and <b>PBH...F</b> : +85 °C maximum
	<b>PBH...M</b> and <b>PBH...F</b> / <b>PB635M</b> and <b>PB635F</b> / <b>PB4/8M</b> and <b>PB4/8F</b> : +125 °C maximum
	<b>PB4/6M</b> and <b>PB4/6F</b> : +120 °C maximum
Degree of Protection	IP55 (for complete connector, connected and with IP55 cable gland) (IEC 60529)
Insulation Resistance	50 MΩ minimum
Materials	Inserts: Reinforced thermoplastic
	Contacts: Silver Plated Brass
	Enclosure: Zamak or Aluminum
	Thermoplastic
	Cable Gland: Reinforced thermoplastic
	Locking Lever: Reinforced thermoplastic or Zinc plated steel
Protective Cover: Elastomer / PVC	

### Inserts - Spring Terminal Connection

- 1 When the screwdriver is inserted in the square housing provided, the screwdriver will keep the conductor housing open.
- 2 Keep the screwdriver in the square housing and insert the conductor completely into the round housing. The end of the conductor must be without insulation.
- 3 When removing the screwdriver from the square hole the conductor will be fixed.
- 4 Connection complete. Test your efficiency by pulling the conductor. If any problem occurs, repeat the procedure.










# PB Series

## Inserts - Models

# Heavy Duty Multiple Connector

												
	With ground pin 16A			With ground contact 16 A			With ground contact 6 Poles 35 A <sup>(a)</sup>		With ground contact 4 Poles 35 A + 6 Poles 16 A <sup>(b)</sup>		With ground contact 4 Poles 80 A + 8 Poles 16 A <sup>(c)</sup>	
Cable (flexible)	0,75...2,5 mm <sup>2</sup>			0,75...2,5 mm <sup>2</sup>			1,5...6 mm <sup>2</sup>		35 A: 1,5...8 mm <sup>2</sup> 16 A: 0,75...2,5 mm <sup>2</sup>		80 A: 4...16 mm <sup>2</sup> 16 A: 0,75...2,5 mm <sup>2</sup>	
Size	Poles	Male	Female	Poles	Male	Female	Male	Female	Male	Female	Male	Female
6	6	PB06M	PB06F	6	PBH06M	PBH06F	-	-	-	-	-	-
					PBH06SM <sup>(d)</sup> CE 9A	PBH06SF <sup>(d)</sup> CE 9A						
10	10	PB10M	PB10F	10	PBH10M	PBH10F	-	-	-	-	-	-
					PBH10SM <sup>(d)</sup> CE 9A	PBH10SF <sup>(d)</sup> CE 9A						
16	16	PB16M	PB16F	16	PBH16M	PBH16F	PB635M CE 9A	PB635F CE 9A	PB4/6M CE 9A	PB4/6F CE 9A	-	-
					PBH16SM <sup>(d)</sup> CE 9A	PBH16SF <sup>(d)</sup> CE 9A						
24	24	PB24M	PB24F	24	PBH24M	PBH24F	-	-	-	-	PB4/8M CE 9A	PB4/8F CE 9A
					PBH24SM <sup>(d)</sup> CE 9A	PBH24SF <sup>(d)</sup> CE 9A						
32 <sup>(e)</sup>	32	PB16M (2x)	PB16F (2x)	32	PBH16M + PBH16M32	PBH16F + PBH16F32	PB635M (2x)	PB635F (2x)	PB4/6M (2x)	PB4/6F (2x)	-	-
48 <sup>(e)</sup>	48	PB24M (2x)	PB24F (2x)	48	PBH24M + PBH24M48	PBH24F + PBH24F48	-	-	-	-	PB4/8M (2x)	PB4/8F (2x)

(a) 6 poles insert - unique model. Mounting in hood and housing size 16.

(b) 4 + 6 poles - unique model. Mounting in hood and housing size 16.

(c) 4 + 8 poles - unique model. Mounting in hood and housing size 24.

(d) Spring terminal connection. Others models with screw terminal.

(e) Two inserts assembled sockets side by side. Other combinations are possible. For instance: PB16F + PB635M (size 32); PB24M + PBH24F (size 48).

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## Connection Options

Housings and hoods in the following options <sup>(f)</sup>:

- Sizes 6, 10, 16, 24, 32 <sup>(g)</sup> and 48 <sup>(g)</sup>
- Hoods with top or side cable entry
- Housing in bulkhead or surface mounting options
- Choice of 1 or 2 locking levers
- Incorporated or independent protect cover

Inserts in the following options:

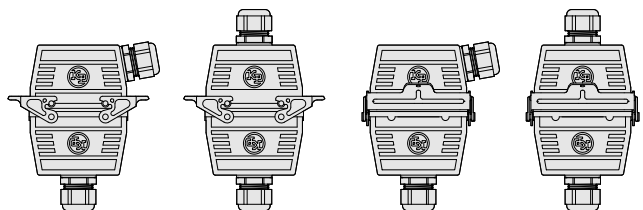
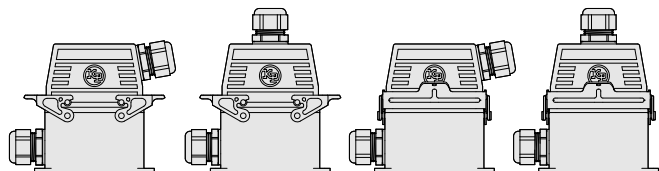
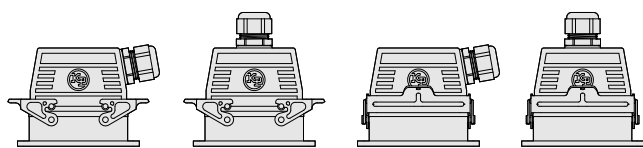
- 6, 10, 16 ad 24 poles: 16 A , 380 V
- 6 poles 35 A, 400 V
- 4 poles 35 A, 600 V + 6 poles 16 A, 380 V
- 4 poles 80 A, 400 V + 8 poles 16 A, 230/400 V

Set the ordering code of the connection elements, follow the steps:

- 1 - Verify in the above table what kind of insert is the appropriate for your connection.
- 2 - Find in the *Size* column what is the size of the hood and housing it is necessary for this insert.
- 3 - Define by the tables in the next pages, what kind of hood or housings are appropriate.

<sup>(f)</sup> Verify the compatibility between hood and housing with relationship the size and number of levers (see examples beside).

<sup>(g)</sup> Basic size 32 and 48: see pages PB3 e PB4.



KAP COMPONENTES ELÉTRICOS Ltda.



# PB Series

# Heavy Duty Multiple Connector

## Hoods

S I Z E								
	Side Entry - 2 Levers		Side Entry - 1 Lever		Top Entry - 2 Levers		Top Entry - 1 Lever	
	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic
6	-	-	<b>PB06J</b>	<b>PB06L</b>	-	-	<b>PB06K</b>	<b>PB06S</b>
10	<b>PB10C</b>	<b>PB10L</b>	<b>PB10J</b>	<b>PBP10L</b>	<b>PB10D</b>	<b>PB10S</b>	<b>PB10K</b>	<b>PBP10S</b>
16	<b>PB16C</b>	<b>PB16L</b>	<b>PB16J</b>	<b>PBP16L</b>	<b>PB16D</b>	<b>PB16S</b>	<b>PB16K</b>	<b>PBP16S</b>
24	<b>PB24C</b>	<b>PB24L</b>	<b>PB24J</b>	<b>PBP24L</b>	<b>PB24D</b>	<b>PB24S</b>	<b>PB24K</b>	<b>PBP24S</b>

S I Z E								
	Side Entry 2 Levers		Side Entry 1 Lever		Top Entry 2 Levers		Top Entry 1 Lever	
	Plastic	Metallic	Metallic		Metallic	Metallic	Metallic	Metallic
32	<b>PB32C (a)</b>	<b>PB32L</b>	-		-	<b>PB32S</b>	-	
48	-	-	<b>PBP48L</b>		-	-	<b>PBP48S</b>	

## Housings

S I Z E								
	Bulkhead Mounting - 2 Levers		Bulkhead Mounting - 1 Lever		Surface Mounting - 2 Levers		Surface Mounting - 1 Lever	
	Plastic	Metallic	Plastic	Metallic	Plastic <sup>(b)</sup>	Metallic	Plastic <sup>(b)</sup>	Metallic
6	-	-	<b>PB06V</b>	<b>PB06B</b>	-	-	<b>PB06W</b>	<b>PB06A</b>
10	<b>PB10X</b>	<b>PB10B</b>	<b>PB10V</b>	<b>PBU10B</b>	<b>PB10Y</b>	<b>PB10A</b>	<b>PB10W</b>	<b>PBU10A</b>
16	<b>PB16X</b>	<b>PB16B</b>	<b>PB16V</b>	<b>PBU16B</b>	<b>PB16Y</b>	<b>PB16A</b>	<b>PB16W</b>	<b>PBU16A</b>
24	<b>PB24X</b>	<b>PB24B</b>	<b>PB24V</b>	<b>PBU24B</b>	<b>PB24Y</b>	<b>PB24A</b>	<b>PB24W</b>	<b>PBU24A</b>

S I Z E				
	Bulkhead Mounting - 2 Levers		Surface Mounting - 2 Levers	
	Plastic	Metallic	Plastic	Metallic
32	<b>PB32X</b>	<b>PB32B</b>	<b>PB32Y (b)</b>	<b>PB32A (b)</b>
48	Bulkhead Mounting - 1 Lever			
	Metallic			
	<b>PBU48B</b>			

(a) Plastic model with side and top entry. Supplied with cable gland on the side entry and plastic cap on the top entry.

(b) Bulkhead with closed-bottom.



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## Housings with protection cover

S I Z E					S I Z E				
	Bulkhead Mounting with Cover		Surface Mounting with Cover			Bulkhead Mounting with Cover		Surface Mounting with Cover <sup>(a)</sup>	
	Plastic	Metallic	Plastic <sup>(a)</sup>	Metallic		Metallic	Metallic		
6	<b>PBZ06V</b>	<b>PBP06B</b>	<b>PBZ06W</b>	<b>PBP06A</b>	48	<b>PBP48B</b>		<b>PBP48A</b>	
10	<b>PBZ10V</b>	<b>PBP10B</b>	<b>PBZ10W</b>	<b>PBP10A</b>					
16	<b>PBZ16V</b>	<b>PBP16B</b>	<b>PBZ16W</b>	<b>PBP16A</b>					
24	<b>PBZ24V</b>	<b>PBP24B</b>	<b>PBZ24W</b>	<b>PBP24A</b>					

(a) Bulkhead with closed-bottom.

## Hoods with locking lever

S I Z E				
	Hood with 2 Levers		Hood with 1 Lever	
	Plastic	Metallic	Plastic	Metallic
6	-	-	<b>PBT06K</b>	<b>PBT06S</b>
10	<b>PBT10D</b>	<b>PBT10S</b>	<b>PBT10K</b>	<b>PBTP10S</b>
16	<b>PBT16D</b>	<b>PBT16S</b>	<b>PBT16K</b>	<b>PBTP16S</b>
24	<b>PBT24D</b>	<b>PBT24S</b>	<b>PBT24K</b>	<b>PBTP24S</b>
32	<b>PBT32D</b>	<b>PBT32S <sup>(b)</sup></b>	-	-

(b) PBT32S basic format: see Dimensions (page PB6).

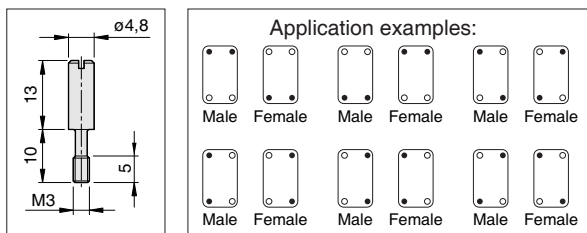
## Independent cover <sup>(c)</sup>

S I Z E				
	for 1 Lever		for 2 Levers	
6	<b>PB06P</b>	-	-	-
10	-	<b>PB10P</b>	-	-
16	-	<b>PB16P</b>	-	-
24	-	<b>PB24P</b>	-	-
32	-	-	-	<b>PB32P</b>

(c) Metallic; for housing or Hoods with locking lever.

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## Code Pin: PBA01



- Application: mechanically prevent the connection between equal sockets, with different electrical functions, which are present in the same place.
- Assembly instructions: replace the original fastening screws in the sockets with code pins.
- The application examples shown beside are merely illustrative.

## Dimensions (in mm)

PB Insert	<p><b>PB...F - Female</b></p>	<p><b>PB...M - Male</b></p>	

Code	Nº Poles	I1	I2
<b>PB06F</b>	6+ground	44	51
<b>PB06M</b>			
<b>PB10F</b>	10+ground	57	64
<b>PB10M</b>			
<b>PB16F</b>	16+ground	77,5	84,5
<b>PB16M</b>			
<b>PB24F</b>	24+ground	104	111
<b>PB24M</b>			

Cable: 0,75 ... 2,5 mm<sup>2</sup>



# PB Series

## Heavy Duty Multiple Connector

Dimensions (in mm)

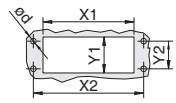
PBH Insert			<table border="1"> <thead> <tr> <th>Code</th> <th>Nº Poles</th> <th>I1</th> <th>I2</th> </tr> </thead> <tbody> <tr> <td><b>PBH06F</b></td> <td>6+ground</td> <td>44</td> <td>50,8</td> </tr> <tr> <td><b>PBH06M</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>PBH10F</b></td> <td>10+ground</td> <td>57</td> <td>63,8</td> </tr> <tr> <td><b>PBH10M</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>PBH16F</b></td> <td>16+ground</td> <td>77,5</td> <td>84,3</td> </tr> <tr> <td><b>PBH16M</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>PBH24F</b></td> <td>24+ground</td> <td>104</td> <td>110,8</td> </tr> <tr> <td><b>PBH24M</b></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Code	Nº Poles	I1	I2	<b>PBH06F</b>	6+ground	44	50,8	<b>PBH06M</b>				<b>PBH10F</b>	10+ground	57	63,8	<b>PBH10M</b>				<b>PBH16F</b>	16+ground	77,5	84,3	<b>PBH16M</b>				<b>PBH24F</b>	24+ground	104	110,8	<b>PBH24M</b>			
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Hoods and Housing Fixing of Inserts		<table border="1"> <thead> <tr> <th>Size</th> <th>I1</th> </tr> </thead> <tbody> <tr> <td>06</td> <td>44</td> </tr> <tr> <td>10</td> <td>57</td> </tr> <tr> <td>16</td> <td>77,5</td> </tr> <tr> <td>24</td> <td>104</td> </tr> <tr> <td>32</td> <td>77,5</td> </tr> <tr> <td>48</td> <td>104</td> </tr> </tbody> </table>	Size	I1	06	44	10	57	16	77,5	24	104	32	77,5	48	104																							
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## Dimensions (in mm)

	Size 6		Size 10		Size 16		Size 24		Size 32		Holes for Fixing the Base <sup>(a)</sup>
	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic	
H1	89,5	82,5	92,5	93,5	99,5	97	99,5	97	105	126	
H2	118	108,5	123	123	131,5	127	131,5	127	141,5	172	
H3	108	99,5	113	118	122,5	126	122,5	126	149	181	
H4	136,5	125	144	147,5	154,5	156,5	154,5	156,5	185,5	227	
H5	173	153	182,5	183	200,5	190,5	200,5	190,5	229	279,5	
L1	80	82	93	95	113	115	140	142	113	126	
L2	-	-	119,5	119,5	141	141	167	167	146,5	163,5	
L3	96,5	98	109,5	110	132,5	134	160	161	142,5	149,5	
L4	30,5	20	30	20	34	24	34	24	43	43	
L5	89,5	80	102,5	93	129,5	113	156	140	139,5	125	
S1	43,5	45	43,5	45	43,5	45	43,5	45	78	92	
S2	-	-	55	55	55	55	55	55	91,5	99	
S3	74	70,5	76	74	78	72,5	78	72	-	-	
S4	52	43,5	52	43,5	57	43,5	57	43,5	78	81	
S5	84,5	84,5	87,5	87,5	86	86	85,5	85	-	-	
ød	Pg 13,5	Pg 13,5	Pg 16	Pg 16	Pg 21	Pg 21	Pg 21	Pg 21	Pg 29	Pg 29	
X1	<= 51	<= 49	<= 64	<= 64,5	<= 84	<= 84,5	<= 110,5	<= 111,5	84,5	88	
X2	70	70	83(82) <sup>(b)</sup>	83	103(105) <sup>(b)</sup>	103	130(132) <sup>(b)</sup>	130	103	110 (112) <sup>(b)</sup>	
Y1	<= 34	<= 32	<= 34	<= 35	<= 34	<= 34	<= 34	<= 34,5	69,5	76	
Y2	32(40) <sup>(b)</sup>	32	32(40) <sup>(b)</sup>	32	32(45) <sup>(b)</sup>	32	32(45) <sup>(b)</sup>	32	67	65 (67) <sup>(b)</sup>	

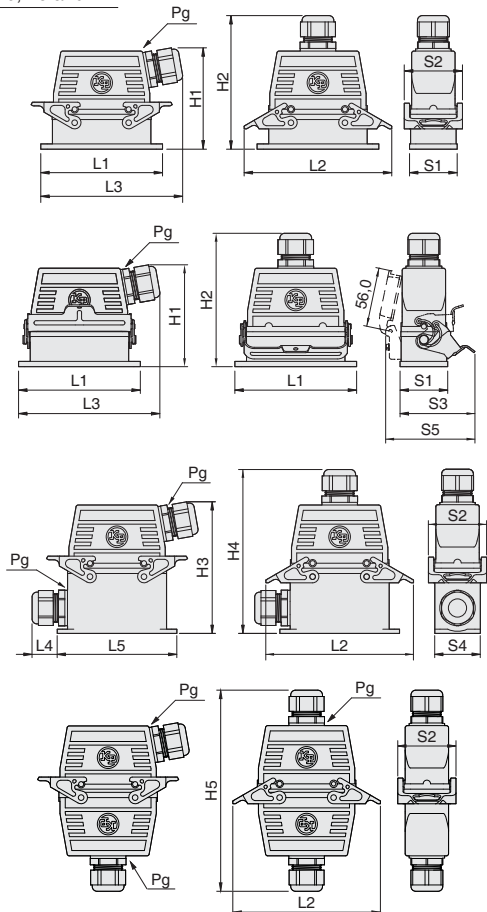
  

Size	ød
06 ... 24	ø4,5 (ou M4)
32	metallic high base: ø5,5 (or M5) others: ø4,5 (or M4)
48	(see figure Size 48)

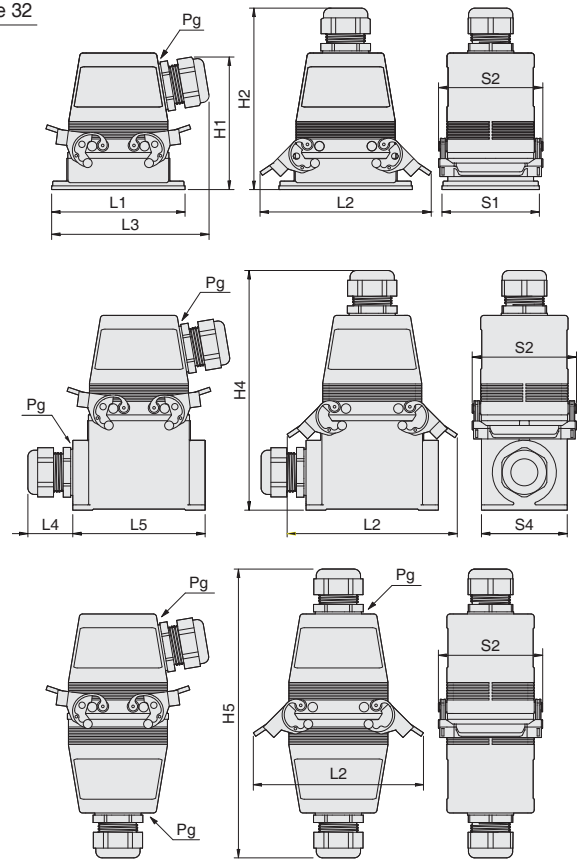
  

Pg	Cable
Pg 13,5	6 ...12mm
Pg 16	7...13mm
Pg 21	9...17mm
Pg 29	18...25mm
Pg 36	22...32mm

### Size 06, 10, 16 and 24

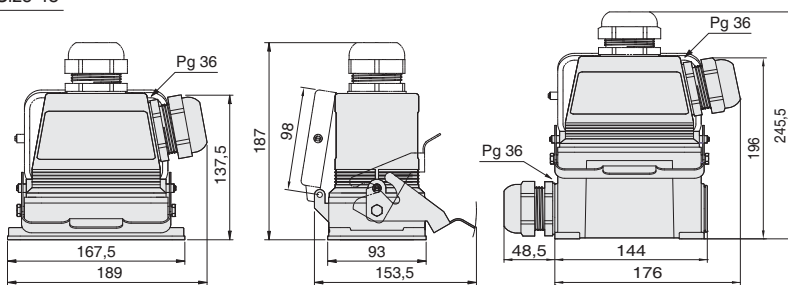


### Size 32

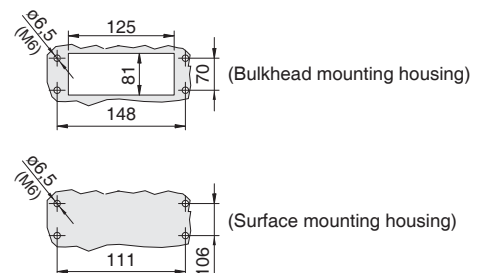


- (a) Panel cut-off with dimensions X1 x Y1 only for bulkhead mounting housings.
- (b) Dimensions in parentheses: applicable to high bases (bases with cable gland).

### Size 48



### Holes for Fixing the Base

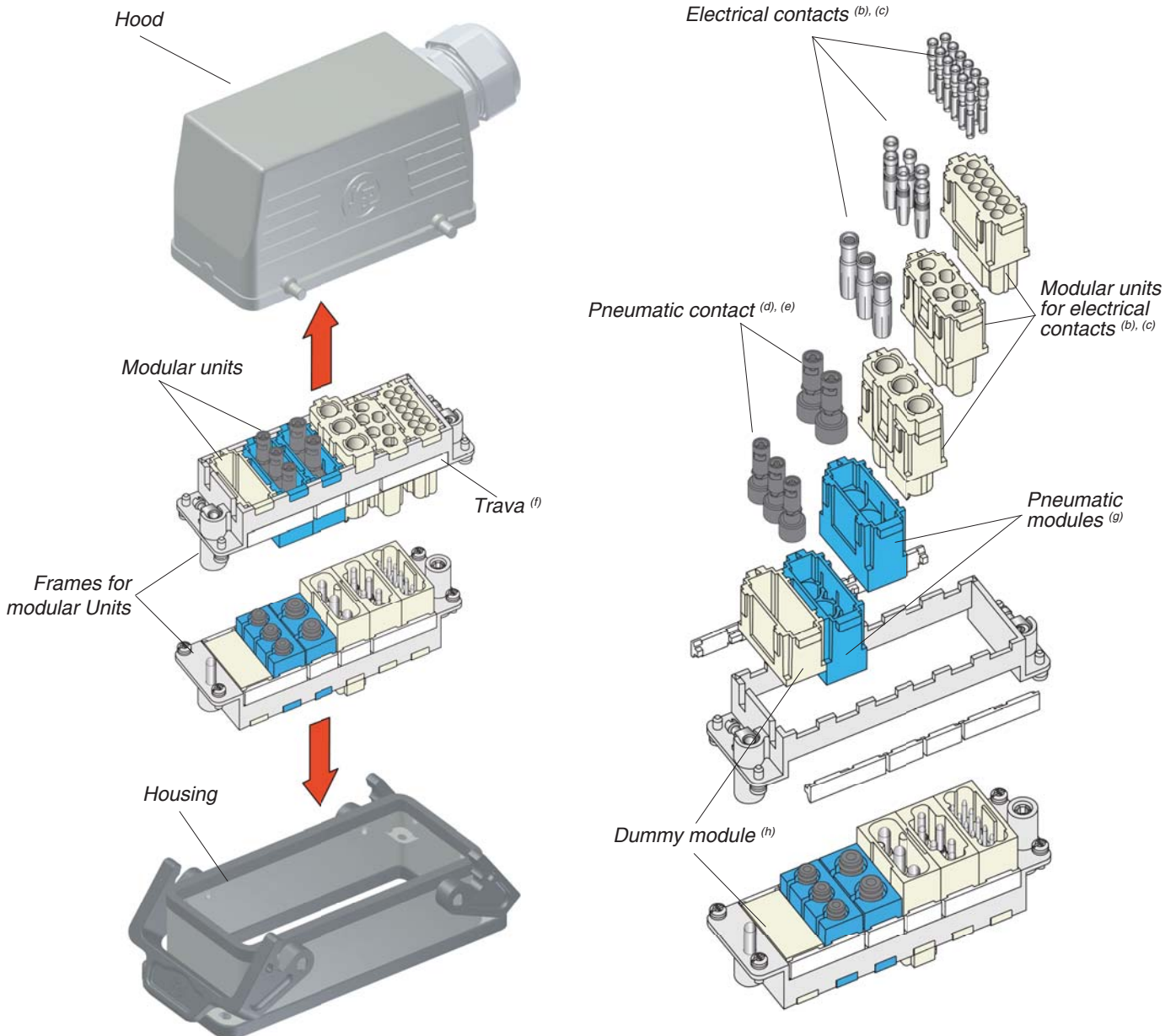


# KP PB Series

## Heavy Duty Multiple Connector

### Modular Units for Multiple Connector

- Modular structure system for use with PB series hoods and housings
- Single enclosure for different connectors and applications
- Modules arranged side by side in a single metallic frame
- Modules with a working temperature range of -40 °C...+125 °C <sup>(a)</sup>
- Several frames options for enclosures size 6 until 48
- Electricals and pneumatics modules UL approved (File E115072)



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(a) Working temperature range to pneumatics modules: -40 °C ... +80 °C.

(b) Some modules are supplied with incorporated contact.

(c) Contacts with several options of electrical capacity and connection type (D-Sub, coaxial cable, etc). Contact us for more options.

(d) For reasons of safety, it is not allowed electrical contacts to be present within the same connector group together with contacts for transmission of liquids. The use of pneumatic air contacts requires an appropriate filtering and dehydration system to prevent dangerous condensation.

(e) Pneumatic contacts may be used for pressure values of up to a maximum of 8 bar/116 psi.

(f) Modules are fixed in frames by the lock tab. Lock tab may be divided according to the number of modules used.

(g) It is always supplied **without** contacts.

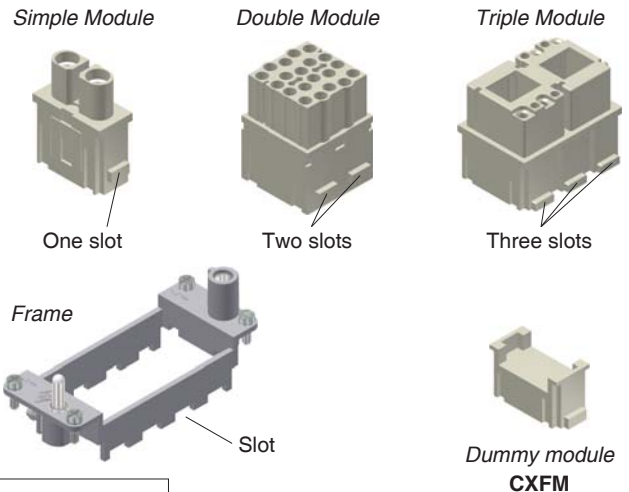
(h) Recommended for closing unused frame slots.



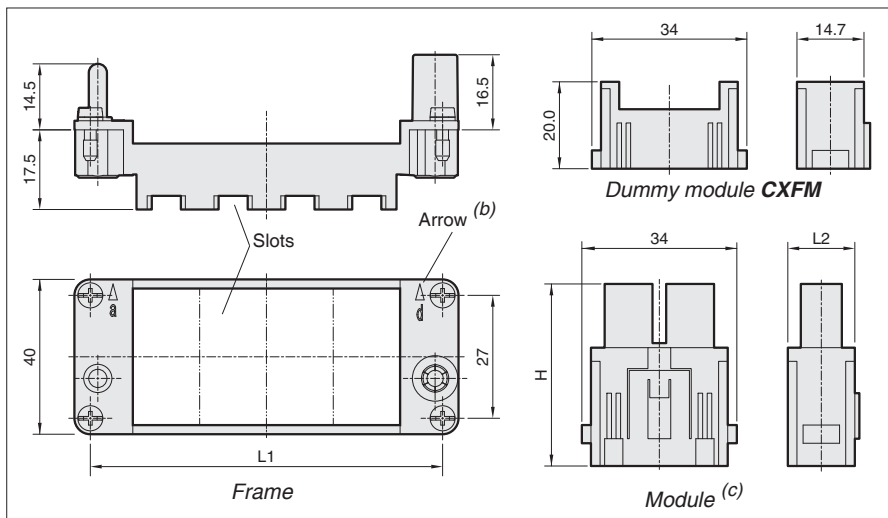
**KAP COMPONENTES ELÉTRICOS Ltda.**

## Selection of Frames and Modules

- The frames may be selected according to the number of slots required as well as the hood or housing where it will be assembled. **WARNING:** a single module can use more than one slot on a frame (see illustrations beside).
- For setting the frame, observe in the modules: the number of slots and what will be the size of the enclosure <sup>(a)</sup> where this frame will be mounted.
- Dummy module (code **CXFM**): it is necessary to apply in order to close in the frame the slots unused.
- Only some modules are supplied with incorporated contact.



## Frames, Modules and Contacts



Frame <sup>(d)</sup>			
Code	Slots	L1	Size <sup>(a)</sup>
CX02TF	2	44	6
CX02TM			
CX03TF	3	57	10
CX03TM			
CX04TF	4	77,5	16
CX04TM			
CX06TF	6	104	24
CX06TM			

Subject to change without prior notice

MODULES AND ELECTRICAL CONTACTS												
Frame <sup>(e)</sup>								Contact <sup>(h)</sup>				
Code	Image	H	L2	Slots	Poles	Amp <sup>(f)</sup>	Volt <sup>(g)</sup>	Type	Code	Cable - Section	Image	Terminal
CX01YF		57,8	29,4	2	1	200	1000 (600)	Female	CYFA16	16 mm <sup>2</sup> / AWG 6		Crimp
									CYFA35	35 mm <sup>2</sup> / AWG 2		
									CYFA70	70 mm <sup>2</sup> / AWG 2/0		
CX01YM		52,3	29,4	2	1	200	1000 (600)	Male	CYMA16	16 mm <sup>2</sup> / AWG 6		Crimp
									CYMA35	35 mm <sup>2</sup> / AWG 2		
									CYMA70	70 mm <sup>2</sup> / AWG 2/0		
CX02GF		51	29,4	2	2	100	1000 (600)	Female	CGFA16	16 mm <sup>2</sup> / AWG 6-5		Crimp
									CGFA25	25 mm <sup>2</sup> / AWG 4-3		
									CGFA35	35 mm <sup>2</sup> / AWG 2		
CX02GM		49	29,4	2	2	100	1000 (600)	Male	CGMA16	16 mm <sup>2</sup> / AWG 6-5		Crimp
									CGMA25	25 mm <sup>2</sup> / AWG 4-3		
									CGMA35	35 mm <sup>2</sup> / AWG 2		

(a) See compatible hoods and housings at pages 3 and 4. (continues...)

(b) It identifies side that the module may be mounted. In module also has indicative arrow position.

(c) Drawing used only to define the dimensions. The module basic format can be seen in the table - Image column (on the left).

(d) **CX??TF**: Frames to female contacts; **CX??TM**: frames to male contacts.

(e) Characteristics according to IEC 61984. Modules made in reinforced thermoplastic UL 94 V-0 approved.

(f) Amp= current (A).

(g) Volt= voltage (V); voltage in parentheses: UL approved.

(h) Supplied separately.





# PB Series

## Heavy Duty Multiple Connector

### Frames, Modules and Contacts (continuation)

MODULES AND ELECTRICAL CONTACTS (continuation)												
Frame <sup>(a)</sup>								Contact <sup>(d)</sup>				
Code	Image	H	L2	Slots	Poles	Amp <sup>(b)</sup>	Volt <sup>(c)</sup>	Type	Code	Cable - Section	Image	Terminal
CX024AF		40	14,7	1	2	40	1000 (600)	Fêmea	Módulo fornecido com contatos	2,5 ... 8 mm <sup>2</sup> / AWG14 ... 8	-	Screw <sup>(e)</sup>
CX024AM		39,5						Macho				
CX034F		40	14,7	1	3	40	400/690 (600)	Fêmea	CXFA1.5	1,5 mm <sup>2</sup> / AWG 16		Crimp
									CXFA2.5	2,5 mm <sup>2</sup> / AWG 14		
CX034M		39,5						Macho	CXMA1.5	1,5 mm <sup>2</sup> / AWG 16		
									CXMA2.5	2,5 mm <sup>2</sup> / AWG 14		
CX05SF		37,2	14,7	1	5	16	400 (600)	Fêmea	Módulo fornecido com contatos	0,14 ... 2,5 mm <sup>2</sup> / AWG 26 ... 14	-	Spring
CX05SM								Macho				
CX08CF		36	14,7	1	8	16	400 (600)	Fêmea	CCFA1.0	1 mm <sup>2</sup> / AWG 18		Crimp
									CCFA1.5	1,5 mm <sup>2</sup> / AWG 16		
									CCFA2.5	2,5 mm <sup>2</sup> / AWG 14		
CX08CM		34						Macho	CCMA1.0	1 mm <sup>2</sup> / AWG 18		
									CCMA1.5	1,5 mm <sup>2</sup> / AWG 16		
									CCMA2.5	2,5 mm <sup>2</sup> / AWG 14		
CX12DF		34	14,7	1	12	10	250 (600)	Fêmea	CDFA1.0	1 mm <sup>2</sup> / AWG 18		Crimp
									CDFA1.5	1,5 mm <sup>2</sup> / AWG 16		
CX12DM								Macho	CDMA1.0	1 mm <sup>2</sup> / AWG 18		
									CDMA1.5	1,5 mm <sup>2</sup> / AWG 16		
CX17DF		35,2	14,7	1	17	10	160 (250)	Fêmea	CDFA1.0	1 mm <sup>2</sup> / AWG 18		Crimp
									CDFA1.5	1,5 mm <sup>2</sup> / AWG 16		
CX17DM		35,3						Macho	CDMA1.0	1 mm <sup>2</sup> / AWG 18		
									CDMA1.5	1,5 mm <sup>2</sup> / AWG 16		
CX20CF		40	29,4	2	20	16	500 (600)	Fêmea	CCFA1.0	1 mm <sup>2</sup> / AWG 18		Crimp
									CCFA1.5	1,5 mm <sup>2</sup> / AWG 16		
CX20CM		38						Macho	CCMA1.0	1 mm <sup>2</sup> / AWG 18		
									CCMA1.5	1,5 mm <sup>2</sup> / AWG 16		

(continues...)

(a) Characteristics according to IEC 61984. Modules made in reinforced thermoplastic UL 94-V0 approved.

(b) Amp= current (A).

(c) Volt= voltage (V); voltage in parentheses: UL approved.







(d) Supplied separately.

(e) For fixing the cable it is necessary to use a 2mm hex key on the front face of the contact. Turn the key keeping the cable pressed against the housing.







**KAP COMPONENTES ELÉTRICOS Ltda.**

## Frames, Modules and Contacts (continuation)

MODULES AND ELECTRICAL CONTACTS (continuation)												
Frame <sup>(a)</sup>								Contact <sup>(d)</sup>				
Code	Image	H	L2	Slots	Poles	Amp <sup>(b)</sup>	Volt <sup>(c)</sup>	Type	Code	Cable - Section	Image	Terminal
CX01UF		51	14,7	1	-	-	-	Female	Module supplied with female connector USB front and back			
CX01UM		44							Male	Module prepared to receive male connector USB - not supplied		
CX01JF		35,5	29,4	2	4	10	250 (600)	Female	CDFA1.0	1 mm <sup>2</sup> / AWG 18		Crimp
					-	-	-		CDFA1.5	1,5 mm <sup>2</sup> / AWG 16		
CX01JM		33,5			4	10	250 (600)	Male	CDMA1.0	1 mm <sup>2</sup> / AWG 18		Crimp
					-	-	-		CDMA1.5	1,5 mm <sup>2</sup> / AWG 16		
									CX8JM			

### PNEUMATIC MODULES

PNEUMATIC MODULES												
CX02P		27,5	14,7	1	2 housing for tube ø6.0			Female	CX6.0PF <sup>(e)</sup>	-		ø6,0 tubes (internal)
								Male	CX6.0PM <sup>(e)</sup>			
CX03P					3 housing for tubes ø1.6...ø4.0			Female	CX4.0PF <sup>(e)</sup>	-		ø4,0 tubes (internal)
								Male	CX4.0PM <sup>(e)</sup>			

(a) Characteristics according to IEC 61984. Modules made in reinforced thermoplastic UL 94-V0 approved.

(b) Amp= current (A).

(c) Volt= voltage (V); voltage in parentheses: UL approved.

(d) Supplied separately.

(e) Model **without** shutoff valve.

(f) Model **with** shutoff valve.

## Assembling RJ45 modules

### 1- Female module:

- . Assembling contact behind of module, guiding it through the rail.
- . Pushing the contact until you feel a click at the lock region.
- . Electrical connection: join the cable with male connector.

### 2- Male module:

#### 2.1- Cable installation into the male connector (electrical connection):

- . Placing the wires in the cable guide (black part)
- . Mounting the guide behind the male contact, pushing it to the end of the housing (attention to wire position into guide).
- . Stick the golden tabs by pressing them against the cable wires.
- . Fix the cable cover at the male contact clamps.

#### 2.2- Mounting male connector at the module:

- . Mounting male contact behind the module by inserting it into the housing.
- . Push the contact until you feel a click.

