



Choose **jei**<sup>®</sup>

for standard applications



**JEI® connectors** are used in connections for **electrical and electronic equipment**, machines, control units, electric panels, control equipment and where a safe sectionable connection is required.

They can be used in non-aggressive industrial environments (for example, automatic assembly machines for working wood or plastic) and wherever there is a need for a connection with an optimum quality/price ratio.



The JEI® series consists of **inserts** manufactured in type-approved thermoplastic resin UL 94V-0 and **contacts with a galvanic tin plating**. Coupling with **metallic enclosures, complete with locking levers in reinforced thermoplastic or galvanised steel**, makes the connection effective and robust.


The wide range of inserts offered with their **different wire connecting techniques (screw or spring)** guarantees flexibility of use and numerous choices.

# JEI® Series


Full data sheets available at [www.ilme.com](http://www.ilme.com)

## Inserts

**JK**  
Type of connection:  
- Screw 10A - 230/400V terminal




**JKS**  
Type of connection:  
- Spring 10A - 400V



**JDA**  
Type of connection:  
- Screw 16A - 250V terminal



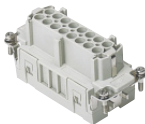
**JDS**  
Type of connection:  
- Spring 10A - 400V




**JNE**  
Type of connection:  
- Screw 16A - 500V terminal



**JSE**  
Type of connection:  
- Spring 16A - 500V



**JSH-SQUICH®**  
Type of connection:  
- SQUICH® 16A - 500V



## Enclosures


**JEI®-P**  
- Metallic  
- Thermoplastic lever  
- IP65



**JEI®-V**  
- Metallic  
- Galvanised steel lever  
- IP66



**T-TYPE**  
- Insulating  
- Robust  
- IP65



**CK-CKA**  
- Insulating  
- Metallic




## Extras and accessories


**COB**  
- For mounting inside control panel  
- Inspectable



**Coding pins**



**Protective covers**



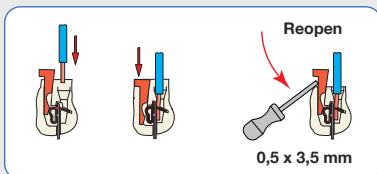
CHOOSE YOUR CONNECTOR

# First, select the inserts...

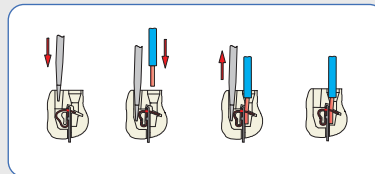
Rated current	Rated voltage	No of poles ⊕	Section of conductors (mm <sup>2</sup> )	Type of connection	Resistance of contacts (mΩ)	Certifications	JEI® Inserts <sup>(*)</sup>				Dimensions of inserts/enclosures
							Male		Female		
10A	230/400V	3 and 4	0,75 to 2,5	③	1	UL, EAC, CQC	<b>JKM 03</b>	<b>JKM 04</b>	<b>JKF 03</b>	<b>JKF 04</b>	● 21.21
10A	400V	3 and 4	0,14 to 2,5	②	1	cUL, EAC, CQC	<b>JKSM 03</b>	<b>JKSM 04</b>	<b>JKSF 03</b>	<b>JKSF 04</b>	● 21.21
10A	400V	9	0,14 to 2,5	②	1	UL, EAC, CQC	<b>JDSM 09</b>		<b>JDSF 09</b>		● 44.27
10A	400V	18	0,14 to 2,5	②	1	UL, EAC, CQC	<b>JDSM 18</b>		<b>JDSF 18</b>		● 57.27
10A	400V	27	0,14 to 2,5	②	1	UL, EAC, CQC	<b>JDSM 27</b>		<b>JDSF 27</b>		● 77.27
10A	400V	42	0,14 to 2,5	②	1	UL, EAC, CQC	<b>JDSM 42</b>		<b>JDSF 42</b>		● 104.27
10A	400V	54	0,14 to 2,5	②	1	UL, EAC, CQC	<b>JDSM 27 + JDSM 27 N</b>		<b>JDSF 27 + JDSF 27 N</b>		● 77.62
10A	400V	84	0,14 to 2,5	②	1	UL, EAC, CQC	<b>JDSM 42 + JDSM 42 N</b>		<b>JDSF 42 + JDSF 42 N</b>		● 104.62
16A	500V	6	0,14 to 2,5	②	3	UL, EAC, CQC	<b>JSEM 06</b>		<b>JSEF 06</b>		● 44.27
16A	500V	6	0,5 to 4,0	③	1	UL, EAC, CQC	<b>JNEM 06</b>		<b>JNEF 06</b>		● 44.27
16A	500V	6	0,14 to 2,5	①	3	UL, EAC, CQC	<b>JSHM 06</b>		<b>JSHF 06</b>		● 44.27
16A	250V	10	0,25 to 4,0	③	1	cUL, EAC, CQC	<b>JDAM 10</b>		<b>JDAF 10</b>		● 49.16
16A	500V	10	0,14 to 2,5	②	3	UL, EAC, CQC	<b>JSEM 10</b>		<b>JSEF 10</b>		● 57.27
16A	500V	10	0,5 to 4,0	③	1	UL, EAC, CQC	<b>JNEM 10</b>		<b>JNEF 10</b>		● 57.27
16A	500V	10	0,14 to 2,5	①	3	UL, EAC, CQC	<b>JSHM 10</b>		<b>JSHF 10</b>		● 57.27
16A	250V	16	0,25 to 4,0	③	1	UL, EAC, CQC	<b>JDAM 16</b>		<b>JDAF 16</b>		● 66.16
16A	500V	16	0,14 to 2,5	②	3	UL, EAC, CQC	<b>JSEM 16</b>		<b>JSEF 16</b>		● 77.27
16A	500V	16	0,5 to 4,0	③	1	UL, EAC, CQC	<b>JNEM 16</b>		<b>JNEF 16</b>		● 77.27
16A	500V	16	0,14 to 2,5	①	3	UL, EAC, CQC	<b>JSHM 16</b>		<b>JSHF 16</b>		● 77.27
16A	500V	24	0,14 to 2,5	②	3	UL, EAC, CQC	<b>JSEM 24</b>		<b>JSEF 24</b>		● 104.27
16A	500V	24	0,5 to 4,0	③	1	UL, EAC, CQC	<b>JNEM 24</b>		<b>JNEF 24</b>		● 104.27
16A	500V	24	0,14 to 2,5	①	3	UL, EAC, CQC	<b>JSHM 24</b>		<b>JSHF 24</b>		● 104.27
16A	250V	32	0,25 to 4,0	③	1	cUL, EAC, CQC	<b>JDAM 16 + JDAM 16 N</b>		<b>JDAF 16 + JDAF 16 N</b>		● 66.40
16A	500V	32	0,14 to 2,5	②	3	UL, EAC, CQC	<b>JSEM 16 + JSEM 16 N</b>		<b>JSEF 16 + JSEF 16 N</b>		● 77.62
16A	500V	32	0,5 to 4,0	③	1	UL, EAC, CQC	<b>JNEM 16 + JNEM 16 N</b>		<b>JNEF 16 + JNEF 16 N</b>		● 77.62
16A	500V	32	0,14 to 2,5	①	3	UL, EAC, CQC	<b>JSHM 16 + JSHM 16 N</b>		<b>JSHF 16 + JSHF 16 N</b>		● 77.62
16A	500V	48	0,14 to 2,5	②	3	UL, EAC, CQC	<b>JSEM 24 + JSEM 24 N</b>		<b>JSEF 24 + JSEF 24 N</b>		● 104.62
16A	500V	48	0,5 to 4,0	③	1	UL, EAC, CQC	<b>JNEM 24 + JNEM 24 N</b>		<b>JNEF 24 + JNEF 24 N</b>		● 104.62
16A	500V	48	0,14 to 2,5	①	3	UL, EAC, CQC	<b>JSHM 24 + JSHM 24 N</b>		<b>JSHF 24 + JSHF 24 N</b>		● 104.62

## Type of connection

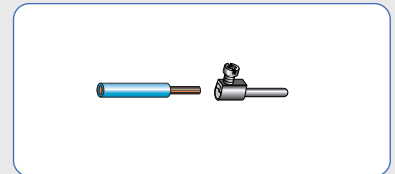
### Connection type ① SQUICH®



### Connection type ② High density spring



### Connection type ③ Screw type



## Innovative connection by ILME

### JSH-SQUICH® series



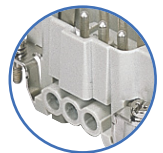
Connection without tools

### JDS series



High density spring connection

### JNE series



Screw connection up to 4 mm<sup>2</sup> section

(\*) JEI® inserts are guaranteed for up to 200 mechanical cycles.

... then, the bulkhead mounting housings,

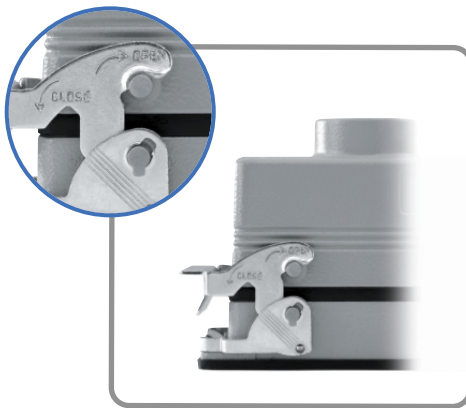


**BULKHEAD MOUNTING**

**JEI®-P series**

Levers in thermoplastic material (degree of protection IP65)




Dimensions of inserts/enclosures	1 LEVER		2 LEVERS	
	 WITH cover	 WITHOUT cover	 WITH cover	 WITHOUT cover
● 49.16	JPI 15 L			
● 66.16	JPI 25 L			
● 44.27	JPI 06 L			
● 57.27			JPI 10	
● 77.27			JPI 16	
● 104.27			JPI 24	
● 77.62			JPI 32	



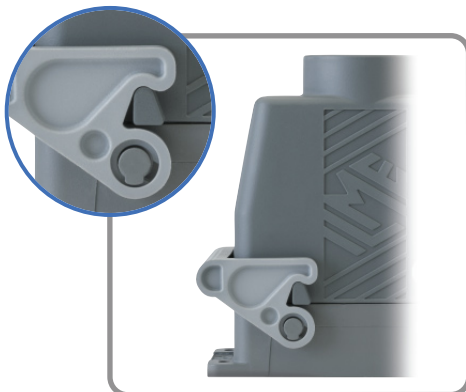
**BULKHEAD MOUNTING**

**JEI®-V series**

V-Type levers in galvanised steel (degree of protection IP65/IP66)

Dimensions of inserts/enclosures	1 LEVER		2 LEVERS	
	 WITH insulating cover	 WITHOUT cover	 WITHOUT cover	
● 44.27	JCVI 06 LP	JCVI 06 L		
● 57.27	JCVI 10 LP	JCVI 10 L	JCVI 10	
● 77.27	JCVI 16 LP	JCVI 16 L	JCVI 16	
● 104.27	JCVI 24 LP	JCVI 24 L	JCVI 24	
● 77.62 <sup>1)</sup>	JCHI 32 LP	JCHI 32 L		
● 104.62 <sup>1)</sup>	JCHI 48 LP	JCHI 48 L		





<sup>1)</sup> Rigid monobloc lever in galvanised steel.



**BULKHEAD MOUNTING**

**insulating T-Type series**

In thermoplastic material (degree of protection IP65)

Dimensions of inserts/enclosures	1 LEVER		2 LEVERS	
	 WITH cover	 WITHOUT cover	 WITH cover	 WITHOUT cover
● 44.27	TCHI 06 L			
● 57.27			TCHI 10	
● 77.27			TCHI 16	
● 104.27			TCHI 24	

**Attention**

V-Type lever locking of the JEI®-V series

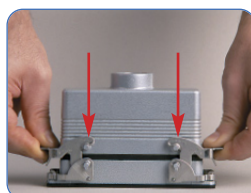
①

CLOSE



Position the connector

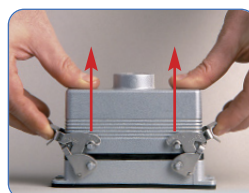
②



Lower the levers until they click into position

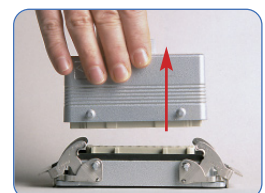
①

OPEN



Lift the levers

②





Remove the connector

... or the surface mounting housings,

**SURFACE MOUNTING**

**JEI®-P series**




Levers in thermoplastic material (degree of protection IP65)

Dimensions of inserts/enclosures	1 LEVER  WITHOUT cover		2 LEVERS  WITHOUT cover		
	Pg	Metric	Pg	Metric	
● 49.16 <sup>2)</sup>	JPP 15 L21	JMPP 15 L25			(Pg21-M25)
● 66.16 <sup>2)</sup>	JPP 25 L21	JMPP 25 L25			(Pg21-M25)
● 44.27 <sup>2)</sup>	JPP 06 L16	JMPP 06 L20			(Pg16-M20)
● 57.27 <sup>2)</sup>			JPP 10.16	JMPP 10.20	(Pg16-M20)
● 77.27 <sup>2)</sup>			JPP 16.21	JMPP 16.25	(Pg21-M25)
● 104.27 <sup>2)</sup>			JPP 24.21	JMPP 24.25	(Pg21-M25)
● 77.62			JPP 32.36	JMPP 32.40	(Pg36-M40)

**SURFACE MOUNTING**

**JEI®-V series**

V-Type levers in galvanised steel (degree of protection IP65/IP66)

Dimensions of inserts/enclosures	1 LEVER				2 LEVERS		
	WITH insulating cover 		WITHOUT cover 		WITHOUT cover 		
	Pg	Metric	Pg	Metric	Pg	Metric	
● 44.27 <sup>2)</sup>	JCVP 06 LP	JMVP 06 LP20	JCVP 06 L	JMVP 06 L20			(Pg16-M20)
● 57.27 <sup>2)</sup>	JCVP 10 LP	JMVP 10 LP20	JCVP 10 L	JMVP 10 L20	JCVP 10	JMVP 10.20	(Pg16-M20)
● 77.27 <sup>2)</sup>	JCVP 16 LP	JMVP 16 LP25	JCVP 16 L	JMVP 16 L25	JCVP 16	JMVP 16.25	(Pg21-M25)
● 104.27 <sup>2)</sup>	JCVP 24 LP	JMVP 24 LP25	JCVP 24 L	JMVP 24 L25	JCVP 24	JMVP 24.25	(Pg21-M25)
● 77.62 <sup>3)</sup>	JCHP 32 LP36	JMHP 32 LP40	JCHP 32 L36	JMHP 32 L40			(Pg36-M40)
● 104.62 <sup>3)</sup>	JCHP 48 LP36	JMHP 48 LP40	JCHP 48 L36	JMHP 48 L40			(Pg36-M40)



<sup>2)</sup> Also available in high construction with precoding JPAP/JMPAP and threaded Pg21, Pg29, M32, M40, M50.

<sup>3)</sup> Rigid monobloc lever in galvanised steel, rotative action.

**SURFACE MOUNTING**

**insulating T-Type series**

In thermoplastic material (degree of protection IP65)







Dimensions of inserts/enclosures	1 LEVER  WITHOUT cover		2 LEVERS  WITHOUT cover		
	Metric		Metric		
● 44.27	TMAP 06 L25				(M25) <sup>4)</sup>
● 57.27				TMAP 10.25	(M25) <sup>4)</sup>
● 77.27				TMAP 16.32	(M32) <sup>5)</sup>
● 104.27				TMAP 24.32	(M32) <sup>5)</sup>

<sup>4)</sup> Also available in version M32.

<sup>5)</sup> Also available in version M40.

**housings for JK inserts**

Straight or angled bulkhead mounting, surface mounting, insulating or metallic

Dimensions of inserts/enclosures	INSULATING			METALLIC		
	bulkhead mounting straight	bulkhead mounting angled	surface mounting (Pg11-M20)	bulkhead mounting straight	bulkhead mounting angled	surface mounting (Pg11-M20)
● 21.21		 WITHOUT cable gland entry	 WITH cable gland entry		 WITHOUT cable gland entry	 WITH cable gland entry
● 21.21	CK 03 I	CK 03 IA	CK 03 IAPS MK IAP20	CKA 03 I	CKA 03 IA	CKA 03 IAPS MKA IAP20

... and finally, the coupling hoods.



### for JEI®-P and JEI®-V series

With 2 or 4 pegs

Dimensions of inserts/enclosures	FOR 1 LEVER		FOR 2 LEVERS		FOR 1 LEVER		FOR 2 LEVERS		
	Pg	Metric	Pg	Metric	Pg	Metric	Pg	Metric	
● 49.16 <sup>6)</sup>	CZO 15 L	MZO 15 L20			CZAV 15 L16	MZV 15 L20			(Pg16-M20)
● 66.16 <sup>6)</sup>	CZO 25 L	MZO 25 L20			CZV 25 L	MZV 25 L20			(Pg16-M20)
● 66.40 <sup>6)</sup>			CHO 50	MHO 50.25			CAV 50.21	MAV 50.25	(Pg21-M25)
● 44.27 <sup>6)</sup>	CHO 06 L16	MHO 06 L20			CHV 06 L16	MHV 06 L20			(Pg16-M20)
● 57.27 <sup>6)</sup>	CHO 10 L	MHO 10 L20	CHO 10	MHO 10.20	CHV 10 L	MHV 10 L20	CHV 10	MHV 10.20	(Pg16-M20)
● 77.27 <sup>6)</sup>	CHO 16 L	MHO 16 L25	CHO 16	MHO 16.25	CHV 16 L	MHV 16 L25	CHV 16	MHV 16.25	(Pg21-M25)
● 104.27 <sup>6)</sup>	CHO 24 L	MHO 24 L25	CHO 24	MHO 24.25	CHV 24 L	MHV 24 L25	CHV 24	MHV 24.25	(Pg21-M25)
● 77.62	CHO 32 L	MHO 32 L40	CHO 32	MHO 32.40	CHV 32 L	MHV 32 L40	CHV 32	MHV 32.40	(Pg36-M40)
● 104.62	CHO 48 L	MHO 48 L40			CHV 48 L	MHV 48 L40			(Pg36-M40)

<sup>6)</sup> Also available in high construction with precoding CAO/MAO/CAV/MAV/CZAO/MZAO/CZAV/MZAV and threaded Pg21, Pg29, M32, M40, M50.

### insulating T-Type series

In thermoplastic material (degree of protection IP65)

Dimensions of inserts/enclosures	FOR 1 LEVER		FOR 2 LEVERS		FOR 1 LEVER		FOR 2 LEVERS		
	Metric	Metric	Metric	Metric	Metric	Metric	Metric	Metric	
● 44.27		TMAO 06 L25					TMAV 06 L25		(M25) <sup>7)</sup>
● 57.27				TMAO 10.25				TMAV 10.25	(M25) <sup>7)</sup>
● 77.27				TMAO 16.32				TMAV 16.32	(M32) <sup>8)</sup>
● 104.27				TMAO 24.32				TMAV 24.32	(M32) <sup>8)</sup>

<sup>7)</sup> Also available in version M32.

<sup>8)</sup> Also available in version M40.

### hoods for JK inserts

Insulating or metallic

size inserts/enclosures	INSULATING			METALLIC			
	side entry with pegs	vertical entry with pegs	vertical entry with lever	side entry with pegs	vertical entry with pegs	vertical entry with lever	
● 21.21	CK 03 VAS	CK 03 VS	CK 03 VGS	CKA 03 VAS	CKA 03 VS	CKA 03 VGS	(Pg11)
● 21.21	MK VA20	MK V20	MK VG20	MKA VA20	MKA V20	MKA VG20	(M20)

Degree of protection compliant with IEC 60529, when the connector is complete and coupled

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catalogues