

# IL-BRID

## Leichtes Schließen, starker Halt

Durch sein Design kombiniert der IL-BRID-Bügel die Flexibilität des Kunststoffes mit der zuverlässigen Kraft einer Edelstahlfeder. Auch dieser Verschluss hat ein glattes Design für gute Reinigungsmöglichkeiten.



### ZUSAMMENFASSUNG

- ☑ **Sanftes Schließen:** während des Schließvorgangs schützt der Kunststoff die Bolzen der Tüllengehäuse vor Abrieb und Verschleiß. Daher ist der Verschluss gut geeignet für Anwendungen mit hoher Zyklenzahl.
- ☑ **Starker Halt:** nach dem Schließen sorgt die Edelstahlfeder für hohe Verschlusskräfte und somit für eine hohe Sicherheit auch bei mechanischen Belastungen.

- ✔ Schutzart IP66/IP69.
- ✔ Schutzart IP65 bei Gehäuse mit Klappdeckel.

### ✍ Materialeigenschaften

#### für die Serien CZ und MZ

- Aluminium-Druckguss-Legierung
- Epoxidpulverbeschichtung auf Polyesterbasis
- alterungsbeständige, gegen Öle, Fette und Kraftstoffe beständige Vinyl-Nitril-Dichtungen
- Verschlussmechanismus mit Bügeln und Federn aus Edelstahl
- Bügelhandgriffe aus selbstverlöschendem, glasfaserverstärktem Thermoplast gemäß UL (für Gehäuseserien CZ und MZ)



Heavy-Duty  
Applications



Aggressive  
Environments



Specialized  
Applications

## Slim enclosures size 49.16, 66.16 and 66.40



### Slim-size enclosures

Slim-size enclosures offer a practical compromise between compactness and connection density for heavy-duty industrial applications.

The product range is identified by its distinctive sizes: 49.16 and 66.16 for a single insert layout and 66.40 for a double insert layout.

Slim-size enclosures have an IL-BRID locking device that combines the thermoplastic material's smoothness with the stainless steel's sturdiness.

Available for aggressive environments in W-TYPE, E-Xtreme® or EMC versions.



Simplex  
self  
closing  
cover  
available  
version

### Markings and Approvals

- CE and UK markings, EAC not applicable
- UL certified for USA and Canada for Type 12, 4 and 4X degrees of protection (enclosure type ratings, equivalent to NEMA rating)
- IP65 / IP66 / IP67 / IP69 degree of protection
- RoHS: compliant

## SUM-UP

### Heavy-Duty Applications

- > Made of die cast aluminium alloy with epoxy-polyester powder coating, grey RAL 7040.
- > Single-block locking lever in IL-BRID, Rigid, JEI®-P and C-TYPE version.
- > Gaskets in anti-aging, oil-resistant, grease-resistant and fuel-resistant NBR vinyl nitrile elastomer.

### Aggressive Environments

- > Made of die cast aluminium alloy.
- > W-TYPE version with chromate conversion coating, RoHS 2 conform and epoxy-polyester powder coating, black RAL 9001.
- > E-Xtreme® version with patented treatment under the coating, dark grey RAL 7016, for maximum resistance against corrosion.
- > Gaskets in anti-aging FKM fluoroelastomer

### Specialized Applications (EMC)

- > Made of die cast aluminium alloy.
- > Single-block stainless steel rigid locking lever.
- > Conductive gaskets in EMI/RFI rubber material, ideal for EMC applications.

## FOCUS

### Levers and technology



#### IL-BRID

##### Combined performance

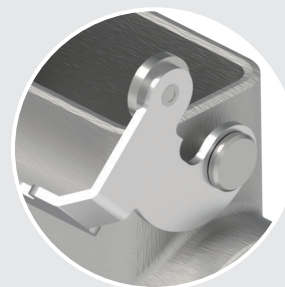
Through its original design, the IL-BRID locking lever for slim housings combines the flexibility of thermoplastic material with the resilience of stainless steel, reducing the wear on the hood pegs and improving the overall performance of the connection.



#### JEI®-P

##### Thermoplastic locking lever

Single-block locking lever in self-extinguishing thermoplastic material with enhanced ergonomics and reduced dimension, ideal for basic requirements and less demanding environments.



#### CZ7 – Rigid lever


##### Rigid locking lever in stainless steel

In case of harsh installation conditions and to achieve IP66/IP67/IP69 degrees of protection, the rigid lever is available for slim enclosures and is equipped as standard in W-TYPE and EMC slim housings.

# Slim enclosures with IL-BRID lever

size **49.16**

Housings, hoods and covers – 1 lever


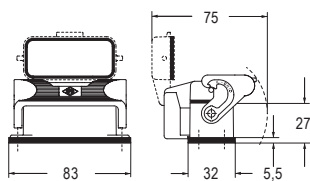

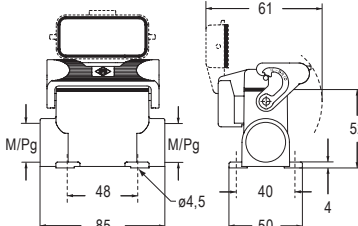

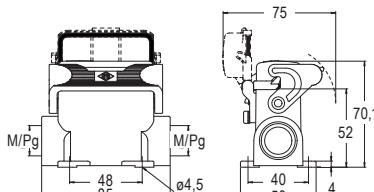

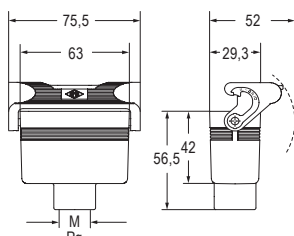


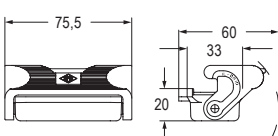
Heavy-Duty Applications 

CE UK

ccc DNV BUREAU VERITAS

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CAIUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket, with or without metal cover or SIMPLEX self-closing plastic cover	<a href="#">CZI 15 L</a>	<a href="#">CZI 15 LS</a>  SIMPLEX cover  <a href="#">CZI 15 LSP</a>		
	Surface mounting housings, 1 lever, without gasket, with or without metal cover	<a href="#">MZP 15 L25</a> <a href="#">MZP 15 L225</a> <a href="#">CZP 15 L</a> <a href="#">CZP 15 L2</a> <a href="#">CZP 15 L21</a> <a href="#">CZP 15 L221</a>	<a href="#">MZP 15 LS25</a> <a href="#">MZP 15 LS225</a> <a href="#">CZP 15 LS</a> <a href="#">CZP 15 LS2</a> <a href="#">CZP 15 LS21</a> <a href="#">CZP 15 LS221</a>	M25 M25 × 2 Pg 16 Pg 16 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 1 lever, without gasket, with SIMPLEX self-closing plastic cover		<a href="#">MZP 15 LSP20</a> <a href="#">MZP 15 LSP25</a> <a href="#">CZP 15 LSP16</a> <a href="#">CZP 15 LSP21</a>	M20 M25 Pg 16 Pg 21	
	Hoods, 1 lever, without gasket, top entry	<a href="#">MZV 15 LG20</a> <a href="#">CZV 15 LG</a>		M20 Pg 13,5	
	Covers, 1 lever, without gasket  - with loop 	<a href="#">CZC 15 LG</a>			

Inserts size 49.16	Poles	Pages
CDA 16 A	10 + ⊕	B.16
CDC 16 A	10 + ⊕	B.19
CSAH 16 A	10 + ⊕	B.24
CD 10 A	15 + ⊕	B.30

**Notes:**  
The enclosures ensure IP66/IP69 degree of protection (or IP65 for hinged cover versions) when mated and locked with the closing levers.

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 01 T (1-slot sized MIXO frames)	C.94

Enclosures with SIMPLEX self-closing cover ensure IP44 degree of protection when not mated and locked with lever.

# Slim enclosures with IL-BRID lever

size **49.16**

## Hoods and covers – 2 pegs

**Heavy-Duty Applications**

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, with gasket, side entry	<a href="#">MZO 15 L20</a> <a href="#">MZO 15 L25</a> <a href="#">CZO 15 L</a>		M20 M25 Pg 16	
	Hoods, 2 pegs, with gasket, top entry		<a href="#">MZV 15 L20</a> <a href="#">CZV 15 L</a>	M20 Pg 13,5	
	Hoods, 2 pegs, with gasket, side or top entry, high construction  To be used only with a complete cable gland	<a href="#">MZFO 15 L20</a> <a href="#">MZFO 15 L25</a> <a href="#">CZFO 15 L16</a> <a href="#">CZFO 15 L21</a>	<a href="#">MZFV 15 L20</a> <a href="#">MZFV 15 L25</a> <a href="#">CZFV 15 L16</a> <a href="#">CZFV 15 L21</a>	M20 M25 Pg 16 Pg 21	
	Hoods, 2 pegs, with gasket, high construction, designed to be drilled	Without entry			
	Covers, 2 pegs, with gasket  - with loop  - or eyelet	With loop  <a href="#">CZC 15 SL</a>	With eyelet  <a href="#">CZC 15 L</a>		


Inserts size 49.16	Poles	Pages
CDA 16 A	10 + ⊕	B.16
CDC 16 A	10 + ⊕	B.19
CSAH 16 A	10 + ⊕	B.24
CD 10 A	15 + ⊕	B.30

MIXO Modular Inserts	Pages
MIXO modules	C.12-93
CX 01 T (1-slot sized MIXO frames)	C.94

# Slim enclosures with IL-BRID lever

size **66.16**

Housings, hoods and covers – 1 lever


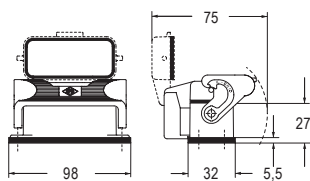

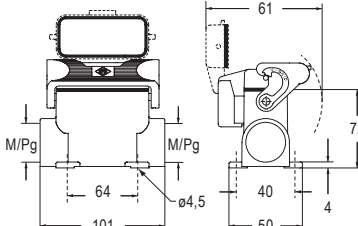

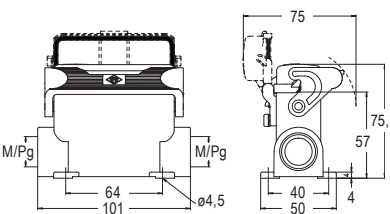
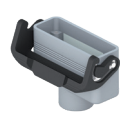
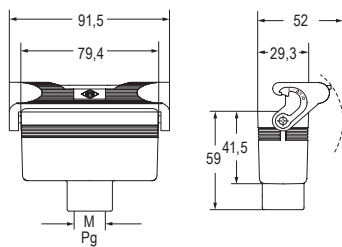

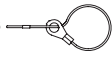
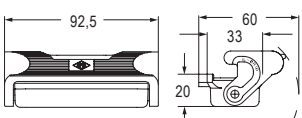
Heavy-Duty Applications 

CE UK

ccc DNV BUREAU VERITAS

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CAIUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Part No.	With cover	Entry	Dimension
	Bulkhead mounting housings, 1 lever, without gasket, with or without metal cover or SIMPLEX self-closing plastic cover	<a href="#">CZI 25 L</a>	<a href="#">CZI 25 LS</a>  SIMPLEX cover  <a href="#">CZI 25 LSP</a>		
	Surface mounting housings, 1 lever, without gasket, with or without metal cover, high construction	<a href="#">MZAP 25 L25</a> <a href="#">MZAP 25 L225</a> <a href="#">CZAP 25 L</a> <a href="#">CZAP 25 L2</a> <a href="#">CZAP 25 L21</a> <a href="#">CZAP 25 L221</a>	<a href="#">MZAP 25 LS25</a> <a href="#">MZAP 25LS225</a> <a href="#">CZAP 25 LS</a> <a href="#">CZAP 25 LS2</a> <a href="#">CZAP 25 LS21</a> <a href="#">CZAP 25LS221</a>	M25 M25 × 2 Pg 16 Pg 16 × 2 Pg 21 Pg 21 × 2	
	Surface mounting housings, 1 lever, without gasket, with SIMPLEX self-closing plastic cover, high construction		<a href="#">MZAP 25LSP20</a> <a href="#">MZAP 25LSP25</a> <a href="#">CZAP 25LSP16</a> <a href="#">CZAP 25LSP21</a>	M20 M25 Pg 16 Pg 21	
	Hoods, 1 lever, without gasket, top entry  To be used only with a complete cable gland	<a href="#">MZV 25 LG20</a> <a href="#">CZV 25 LG</a>		M20 Pg 16	
	Covers, 1 lever, without gasket  For enclosures with 2 pegs and gasket with loop for hoods 	<a href="#">CZC 25 LG</a>			

Inserts size 66.16	Poles	Pages
CDA 16 A	16 + ⊕	B.17
CDC 16 A	16 + ⊕	B.20
CSAH 16 A	16 + ⊕	B.25
CD 10 A	25 + ⊕	B.31
CDD 10 A	38 + ⊕	B.33

**Notes:**  
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Enclosures with SIMPLEX self-closing cover ensure IP44 degree of protection when not mated and locked with lever.

## Slim enclosures with IL-BRID lever

size **66.16**

## Hoods and covers – 2 pegs


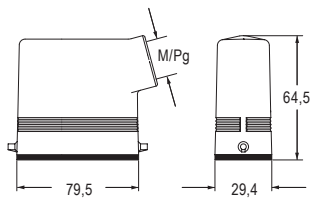

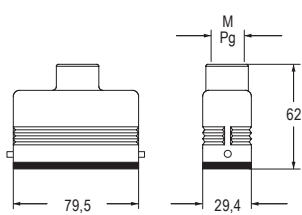

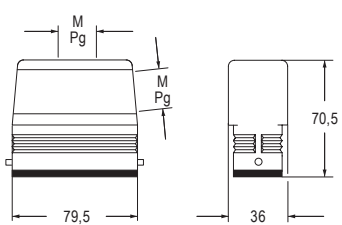

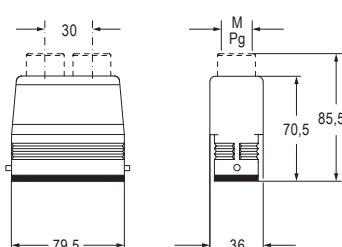


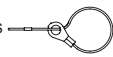
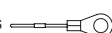
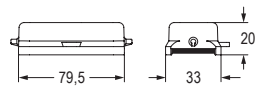
Heavy-Duty  
Applications 

CE UK

CEC DNV BUREAU  
VERITAS

EN 60529	IP65 / IP66 / IP69
UL 50 / UL 50E	Type 12 / 4 / 4X
Ambient temperature limits	-40 °C ... +125 °C
Mechanical life (cycles)	≥ 500

CAMELUS ECBT2.E115072 | ECBT8.E115072

Item	Description	Side entry	Top entry	Entry	Dimension
	Hoods, 2 pegs, with gasket, side entry	<a href="#">MZO 25 L20</a> <a href="#">MZO 25 L25</a> <a href="#">CZO 25 L</a>		M20 M25 Pg 16	
	Hoods, 2 pegs, with gasket, top entry  To be used only with a complete cable gland		<a href="#">MZV 25 L20</a> <a href="#">CZV 25 L</a>	M20 Pg 16	
	Hoods, 2 pegs, with gasket, side or top entry, high construction  To be used only with a complete cable gland	<a href="#">MZFO 25 L20</a> <a href="#">MZFO 25 L25</a> <a href="#">CZFO 25 L16</a> <a href="#">CZFO 25 L21</a>	<a href="#">MZFV 25 L20</a> <a href="#">MZFV 25 L25</a> <a href="#">CZFV 25 L16</a> <a href="#">CZFV 25 L21</a>	M20 M25 Pg 16 Pg 21	
	Hoods, 2 pegs, with gasket, 2 top entries, high construction  To be used only with complete cable glands		<a href="#">MZFV 25 L220</a> <a href="#">CZFV 25 L216</a>	M20 × 2 Pg 16 × 2	
	Hoods, 2 pegs, with gasket, high construction, designed to be drilled		Without entry  <a href="#">CZAC 25 L</a>		
	Covers, 2 pegs, with gasket  For enclosures with 1 lever without gasket  with loop for hoods  or with eyelet for housings 	With loop  <a href="#">CZC 25 SL</a>	With eyelet  <a href="#">CZC 25 L</a>		

Inserts size 66.16	Poles	Pages
CDA	16 + ⊕	B.17
CDC	16 A	B.20
CSAH	16 A	B.25
CD	10 A	B.31
CDD	10 A	B.33