

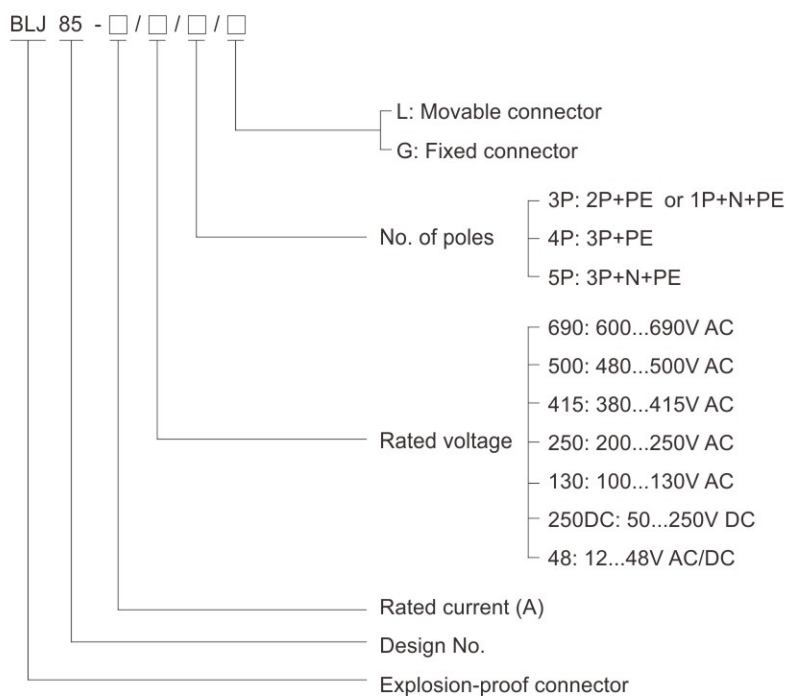
Plugs and Sockets

BLJ85 Series Explosion-proof Connector



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ 4 enclosure types; 9 current ratings (10A, 16A, 20A, 25A, 32A, 50A, 60A, 63A, 100A); 3P, 4P and 5P.
- ◆ Copper-free Aluminium Alloy enclosure, anodic-oxidation treatment for surface.

■ Catalogue number logic



Zones 2; 21&22

Plugs and Sockets

BLJ85 Series Explosion-proof Connector

Technical data

Explosion-proof connector BLJ85 - □ / □ / □ / □

Explosion protection

Global (IECEx)

Gas and dust

IECEx CNEX 23.0003X

Ex ec IIC T6/T5 Gc

Ex tb IIIC T80°C Db

Europe (ATEX)

Gas and dust

CNEX 23 ATEX 0006X(Gas), CNEX 23 ATEX 0007X(Dust)

Ex II 3 G Ex ec IIC T6/T5 Gc

Ex II 2 D Ex tb IIIC T80°C Db

Certificates

IECEx; ATEX

Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-7, IEC 60079-31

Enclosure material

Copper-free Aluminium Alloy, anodic-oxidation treatment for surface

Exposed fastener

Stainless steel

Rated voltage

AC 380...415V, 200...250V, 100...130V; DC 50...250V; AC/DC 12...48V

Rated current

10A, 16A

Degree of protection

IP66

Ambient temperature

T6: -60°C~+40°C, T5: -60°C~+60°C

Cable gland

Suitable for cables of $\Phi 9 \sim \Phi 14$ (mm)

Selection table

Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering code	Weight (kg)
BLJ85-10/□/□ BLJ85-16/□/□	AC 100...130	10/16	1P+N+PE		12	Yellow	30180	0.30
	AC 200...250	10/16	1P+N+PE		12	Blue	30181	0.30
	AC 200...250	10/16	2P+PE		12	Blue	30182	0.30
	AC 200...250	10/16	3P+PE		12	Blue	30183	0.30
	AC 380...415	10/16	3P+PE		12	Red	30184	0.30
	AC 380...415	10/16	3P+N+PE		12	Red	30185	0.32
	DC20...250V	10/16	2P+PE		12	White	30186	0.30
	AC/DC12...48V	10/16	2P+PE		12	Purple	30187	0.30



Installation method



Plugs and Sockets

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Technical data

Explosion-proof connector BLJ85 - □ / □ / □ / □

Explosion protection

Global (IECEX)

Gas and dust

Europe (ATEX)

Gas and dust

Certificates

Conformity to standards

Enclosure material

Exposed fastener

Rated voltage

Rated current

Degree of protection

Ambient temperature

Cable gland

IECEX CNEX 23.0003X

Ex ec IIC T5/T4 Gc

Ex tb IIIC T80°C/T95°C Db

CNEX 23 ATEX 0006X(Gas), CNEX 23 ATEX 0007X(Dust)

Ex II 3 G Ex ec IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T80°C/T95°C Db

IECEX; ATEX

EN 60079-0, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-7, IEC 60079-31

Copper-free aluminium Alloy, anodic-oxidation treatment for surface

Stainless steel

AC 600...690V, 480...500V, 380...415V, 200...250V

20A, 25A, 32A, 50A, 60A, 63A, 100A

IP66

T5: -60°C~+40°C, T4: -60°C~+60°C

25A/32A

63A

100A

Φ 17... Φ 24mm

Φ 26... Φ 32mm

Φ 28... Φ 41mm

Selection table

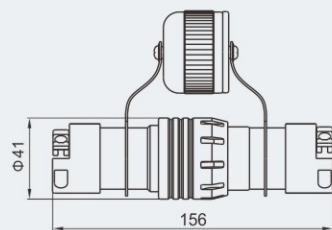
Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering code	Weight (kg)
BLJ85-20/□/□ BLJ85-25/□/□ BLJ85-32/□/□ 	200...250	20/25/32	3P+PE		9	Blue	30189	1.10
	200...250	20/25/32	3P+N+PE		6	Blue	30190	1.20
	380...415	20/25/32	3P+PE		6	Red	30191	1.10
	380...415	20/25/32	3P+N+PE		6	Red	30192	1.20
	480...500	20/25/32	3P+PE		7	Black	30193	1.10
	600...690	20/25/32	3P+PE		5	Black	30194	1.10
BLJ85-50/□/□ BLJ85-60/□/□ BLJ85-63/□/□ 	200...250	50/60/63	3P+PE		7	Blue	30195	1.80
	200...250	50/60/63	3P+N+PE		6	Blue	30196	1.85
	380...415	50/60/63	3P+PE		6	Red	30197	1.80
	380...415	50/60/63	3P+N+PE		6	Red	30198	1.85
	480...500	50/60/63	3P+PE		7	Black	30199	1.80
	600...690	50/60/63	3P+PE		5	Black	30200	1.80
BLJ85-100/□/□ 	200...250	100	3P+PE		7	Blue	30201	2.50
	200...250	100	3P+N+PE		6	Blue	30202	2.60
	380...415	100	3P+PE		6	Red	30203	2.50
	380...415	100	3P+N+PE		6	Red	30204	2.60
	480...500	100	3P+PE		7	Black	30205	2.50
	600...690	100	3P+PE		5	Black	30206	2.50



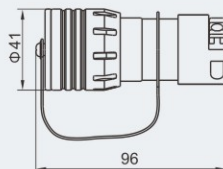
Plugs and Sockets

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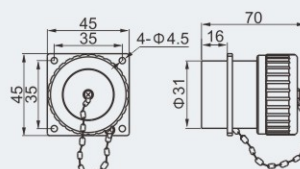
Dimension drawings (all dimensions in mm) - subject to alteration



Movable connector

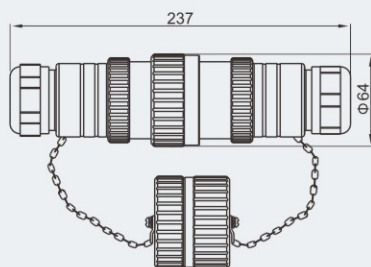


Plug

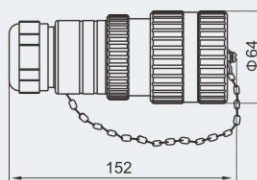


Socket assembly (Fixed connector)

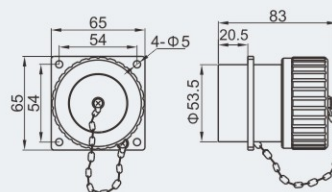
BLJ85-10, BLJ85-16



Movable connector

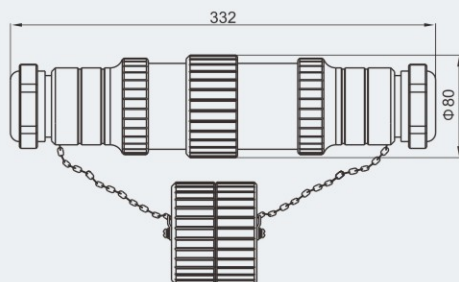


Plug

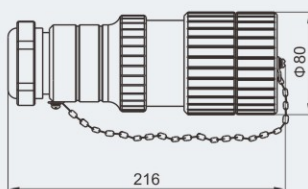


Socket assembly (Fixed connector)

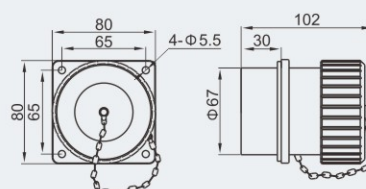
BLJ85-20, BLJ85-25, BLJ85-32



Movable connector

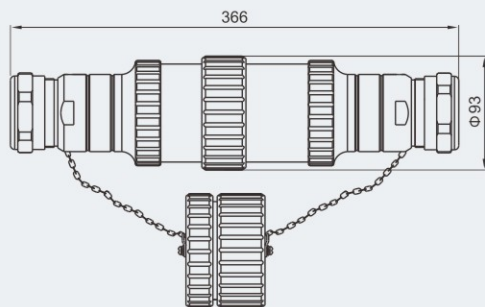


Plug

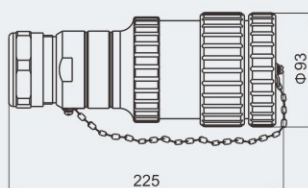


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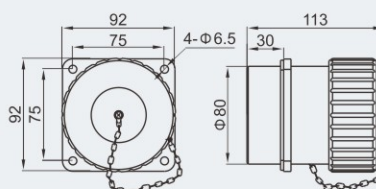
BLJ85-50, BLJ85-60, BLJ85-63



Movable connector



Plug



Socket assembly (Fixed connector)

BLJ85-100

