

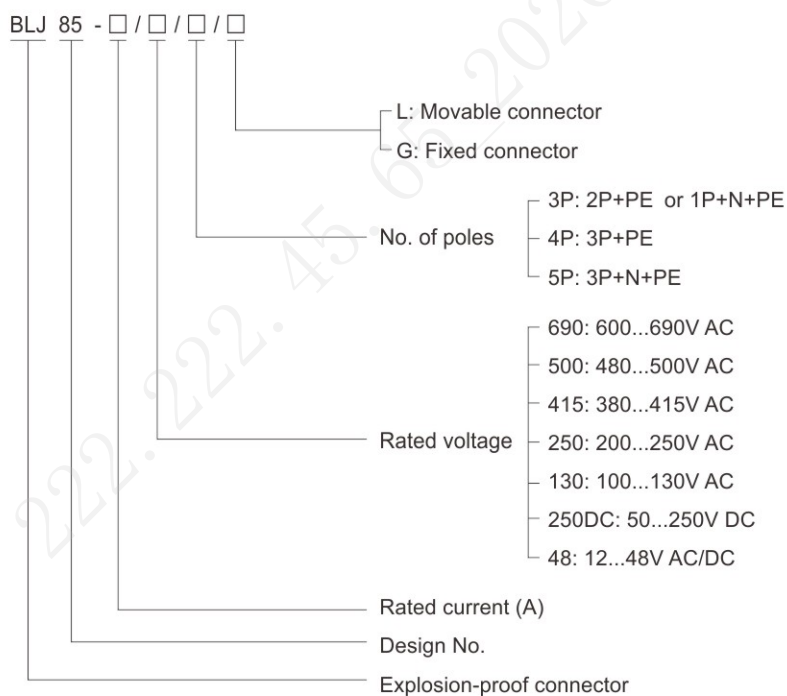
Plugs and Sockets

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

Europe (ATEX)

Gas and dust

IECEx CNEX 23.0003X

Ex ec IIC T6/T5 Gc

Ex tb IIIC T80°C Db

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

BLJ85 Series Explosion-proof Connector

Technical data

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

Explosion protection

Global (IECEX)

Gas and dust

Europe (ATEX)

Gas and dust

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

Certificates

Conformity to standards

IECEX; ATEX

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

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

Enclosure material

Exposed fastener

Rated voltage

Rated current

Degree of protection

Ambient temperature

Cable gland

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

Φ17...Φ24mm

Φ26...Φ32mm

Φ28...Φ41mm

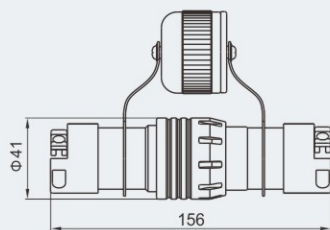
Selection table

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

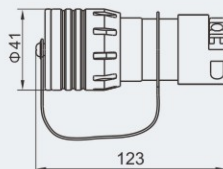
Plugs and Sockets

BLJ85 Series Explosion-proof Connector

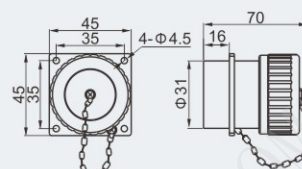
Dimension drawings (all dimensions in mm) - subject to alteration



Movable connector

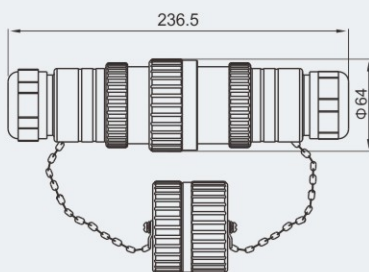


Plug

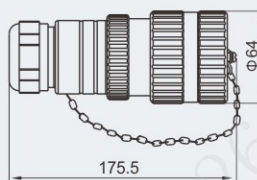


Socket assembly (Fixed connector)

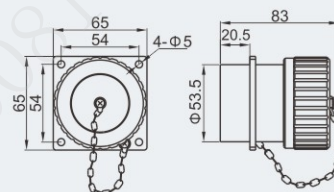
BLJ85-10, BLJ85-16



Movable connector

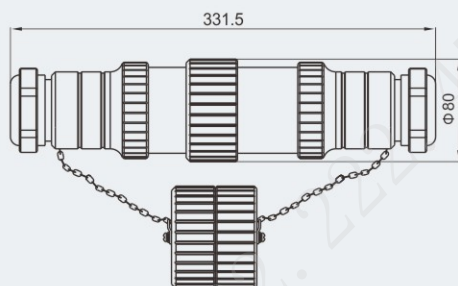


Plug

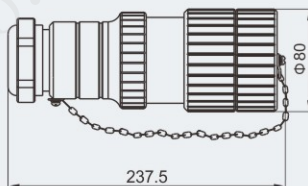


Socket assembly (Fixed connector)

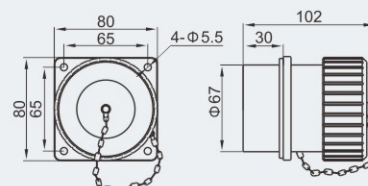
BLJ85-20, BLJ85-25, BLJ85-32



Movable connector

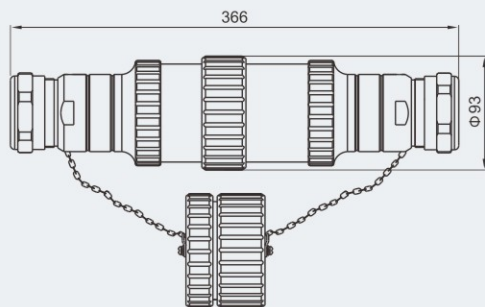


Plug

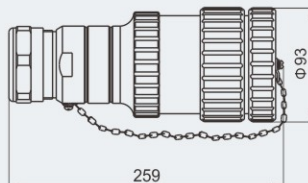


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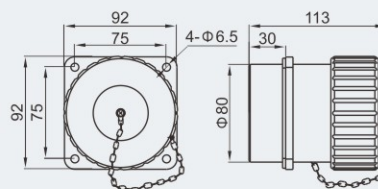
BLJ85-50, BLJ85-60, BLJ85-63



Movable connector



Plug



Socket assembly (Fixed connector)

BLJ85-100

