

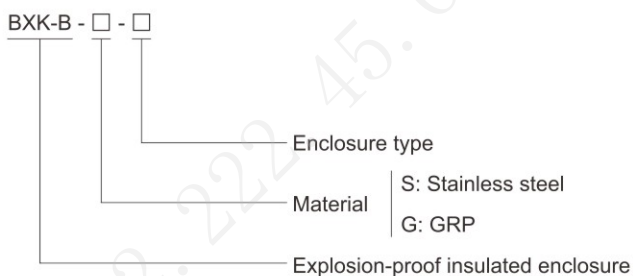
Terminal Boxes

BXK-B Series Explosion-proof Insulated Enclosure



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups B, C, D
- ◆ GRP (glass fibre-reinforced polyester resin) or stainless steel enclosure.
- ◆ Four types of enclosure.
- ◆ Features excellent dustproof, waterproof, and corrosion-resistant properties, making it adaptable to various harsh working environments.
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Special requirements on request.

■ Catalogue number logic



Note: If the material is GRP, the enclosure model is not specified; if the material is stainless steel, the enclosure models are Type I, II, and III.

Zones 1&2; 21&22

Terminal Boxes

BXK-B Series Explosion-proof Insulated Enclosure

Technical data

Explosion-proof Insulated Enclosure BXK-B

Explosion protection

Global (CU-TR)

Gas and dust

CU-TR(applied for)

1 Ex db eb mb ib IIC T6...T1 Gb

Ex tb IIIC T85°C...T450°C Db

Certificates

CU-TR

Conformity to standards

ГОСТ 31610-0, ГОСТ 31610-7, ГОСТ 31610-11,

ГОСТ IEC 60079-1, ГОСТ IEC 60079-31, ГОСТ IEC 60079-18

Enclosure material

GRP or Stainless steel

Exposed fastener

Stainless steel

Degree of protection

IP66

Internal & external earthing

M6/M8

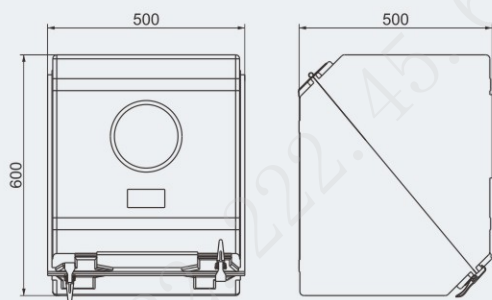
Ambient temperature

-60°C~+60°C

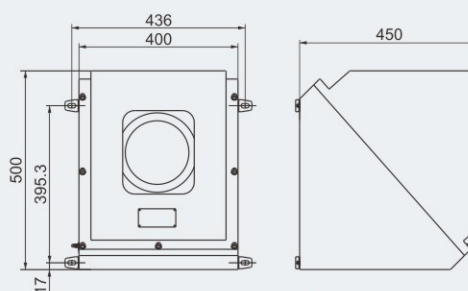
Mounting

Surface type

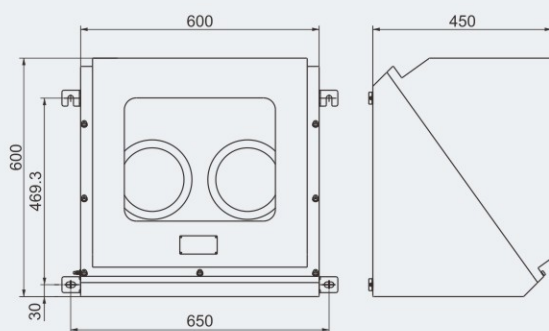
Dimension drawings (all dimensions in mm) - subject to alteration



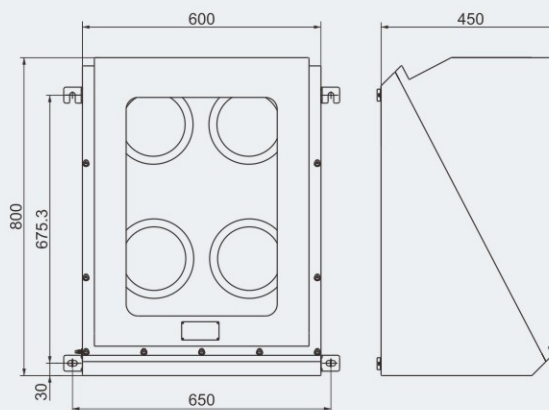
BXK-B-G



BXK-B-S-I



BXK-B-S-II



BXK-B-S-III



Plugs and Sockets

General Introduction

Introduction of the voltage, number of pole, clock position and colour of explosion-proof plugs and sockets

Plug and Sockets are in compliance with the following international standards: IEC60309-1& IEC60309-2, CEIEN60309-1& CEIEN60309-2. They are also in compliance with the standards: VDE0623 & BS4343.

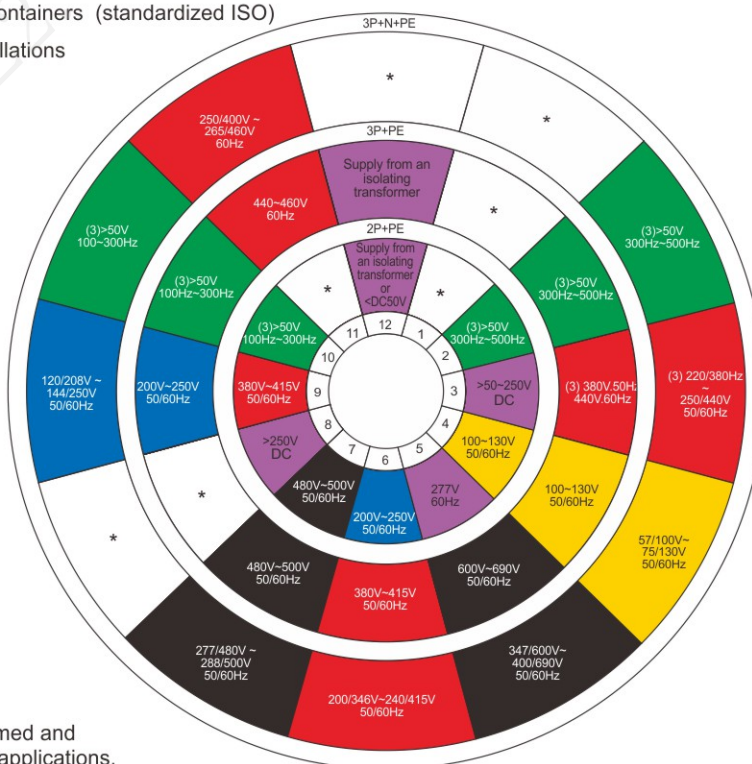
Position of the earthing contact according to IEC60309-2

Voltage (V)	Frequency (Hz)	1P+N+PE		2P+PE		3P+PE		3P+N+PE	
		16A, 32A	63A, 125A	16A, 32A	63A, 125A	16A, 32A	63A, 125A	16A, 32A	63A, 125A
57/110~75/130	50 / 60							4	4
100~130	50 / 60	4	4	4	4	4	4		
120/208~144/250	50 / 60							9	9
200~250	50 / 60			6	6	9	9		
200/346~240/415	50 / 60							6	6
220/380~250/440 ⁽¹⁾	50 / 60							3	3 ⁽³⁾
250/400~265/460 ⁽²⁾	60							11	11
277	60	5	5	5	5				
277/480~288/500	50 / 60							7	7
347/600~400/690	50 / 60							5	5
380~415	50 / 60			9	9	6	6		
380; 440 ⁽¹⁾	50 / 60					3	3 ⁽³⁾		
440~460 ⁽²⁾	60					11	11		
480~500	50 / 60			7	7	7	7		
600~690	50 / 60					5	5		
>50	100~300			10 ⁽³⁾	10 ⁽³⁾	10 ⁽³⁾	10 ⁽³⁾	10 ⁽³⁾	10 ⁽³⁾
>50	>300~500			2	2 ⁽³⁾	2	2 ⁽³⁾	2	2
<50	DC	12							
>50 ~ 250	DC			3	3				
>250	DC			8	8		12		
Supply from an isolating transformer	50 / 60			12	12	12			

(1) Only for refrigeration containers (standardized ISO)

(2) Mainly for marine installations

(3) Non standard

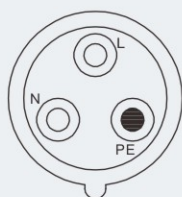


* Clock positions not normed and free for use for special applications.

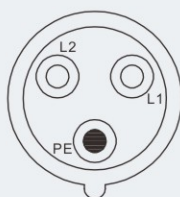
Plugs and Sockets

General Introduction

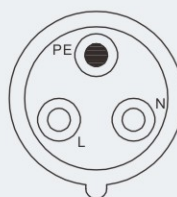
View: Front side socket or connector



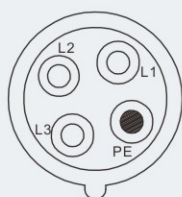
1P+N+PE 4h
100V~130V



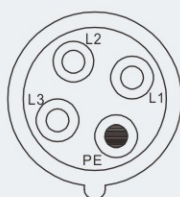
2P+PE 6h
200V~250V



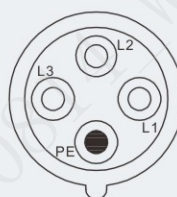
1P+N+PE 12h
<DC50V



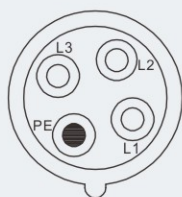
3P+PE 4h
100V~130V



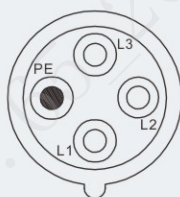
3P+PE 5h
600V~690V



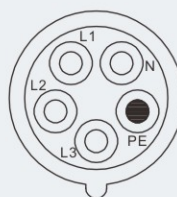
3P+PE 6h
380V~415V



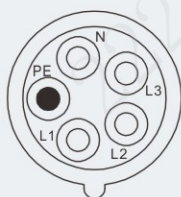
3P+PE 7h
480V~500V



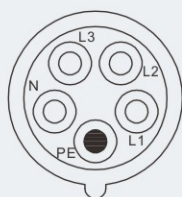
3P+PE 9h
200V~250V



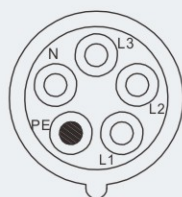
3P+N+PE 4h
57/100V~75/130V



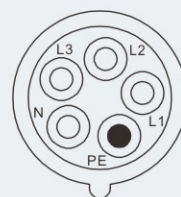
3P+N+PE 9h
120/208V~144/250V



3P+N+PE 6h
200/346V~240/415V



3P+N+PE 7h
277/480V~288/500V



3P+N+PE 5h
347/600V~400/690V



Note: Above drawings show the relationships among the clock position, voltage and pole number of our BCZ8060 series, BCZ85 series and BLJ85 series standard products. The clock position indicates the direction by plughole of socket or connector.