Cable Fittings: Conductor Bushing, DCB Series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

Application

The conductor bushings are used to provide the wire connection between flameproof enclosures and increased safety enclosures.

Specification

Body : Brass
(optional nickel-plated brass)
Seal : Polyurethane cast resin

Electrical Rating

Voltage : up to 750 V
Current : up to 200 A
Conductor : 1.5 mm² up to 70 mm²
Strand copper wire (H07V2-K)
Conductor length: 500/500 mm (Ex db/ Ex eb)

Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex db eb IIC Gb	Ex tb IIIC Db
Certificate	KDB 23 ATEX 0019U	
	IECEx KDB 23.0004U	
T Rating	Temperature class of enclosure to which will be connected.	
Conformity to Standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-7,	
	EN IEC 60079-31	
	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31	
Ambeint Temperature	-40°C to +105°C	
Index of Protection	IP66	

Catalogue Number Logic

DCB ■ ■■ - ■■ - □

Series

Number of core

01	1 core	06	6 cores
03	3 cores	10	10 cores
04	4 cores	12	12 cores
05	5 cores	22	22 cores

Conductor size

1X	1.5 mm²	16	16.0 mm²
2X	2.5 mm²	25	25.0 mm²
4X	4.0 mm²	35	35.0 mm²
6X	6.0 mm²	50	50.0 mm²
10	10.0 mm²	70	70.0 mm²

Thread size

M0	M16x1.5
M1	M20x1.5
M1A	M22x1.5
M2	M25x1.5
M3	M32x1.5
M4	M40x1.5
M5	M50x1.5

Option

NI	Nickel-plated

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ALLOY ELECTRIC PRODUCTS A QUALITY PRODUCT

Ordering Requirements and Dimensions

Figure-1

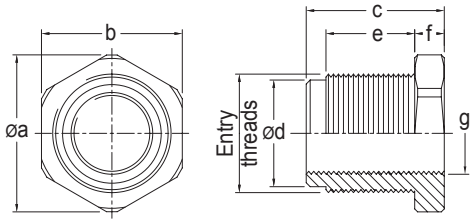
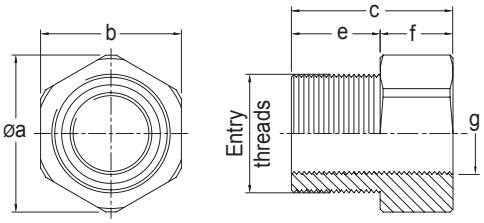


Figure-2



Cat. No.	Conductor size (mm²)	Rated operational current at 40°C (A)	Rated operational voltage (V)	Conductor quantity (core)	Entry threads (Metric)	Dimensions in mm							Fig.
						Øa	b	c	Ød	e	f	g	
DCB 04 1X -M0 -☐	1.5 mm²	16 A	450/750 V	4 cores	M16x1.5	24.5	22.0	25.0	14.0	15.0	5.0	M10x1.5	Fig-1
DCB 04 1X -M1 -☐				4 cores	M20x1.5	26.5	24.0	25.0	18.0	15.0	5.0	M14x1.5	Fig-1
DCB 04 1X -M1A -☐				4 cores	M22x1.5	26.5	24.0	36.0	-	16.5	19.5	M16x1.5	Fig-2
DCB 05 1X -M1A -☐				5 cores	M22x1.5	26.5	24.0	36.0	-	16.5	19.5	M16x1.5	Fig-2
DCB 06 1X -M2 -☐				6 cores	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 12 1X -M3 -☐				12 cores	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 03 2X -M0 -☐	2.5 mm²	23 A	450/750 V	3 cores	M16x1.5	24.5	22.0	25.0	14.0	15.0	5.0	M10x1.5	Fig-1
DCB 03 2X -M1 -☐				3 cores	M20x1.5	26.5	24.0	25.0	18.0	15.0	5.0	M14x1.5	Fig-1
DCB 03 2X -M1A -☐				3 cores	M22x1.5	26.5	24.0	36.0	-	16.5	19.5	M16x1.5	Fig-2
DCB 04 2X -M2 -☐				4 cores	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 10 2X -M3 -☐				10 cores	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 22 2X -M4 -☐				22 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 01 4X -M0 -☐	4.0 mm²	31 A	450/750 V	1 core	M16x1.5	24.5	22.0	25.0	14.0	15.0	5.0	M10x1.5	Fig-1
DCB 01 4X -M1 -☐				1 core	M20x1.5	26.5	24.0	25.0	18.0	15.0	5.0	M14x1.5	Fig-1
DCB 01 4X -M1A -☐				1 core	M22x1.5	26.5	24.0	36.0	-	16.5	19.5	M16x1.5	Fig-2
DCB 03 4X -M2 -☐				3 cores	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 06 4X -M3 -☐				6 cores	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 16 4X -M4 -☐				16 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 01 6X -M0 -☐	6.0 mm²	40 A	450/750 V	1 core	M16x1.5	24.5	22.0	25.0	14.0	15.0	5.0	M10x1.5	Fig-1
DCB 01 6X -M1 -☐				1 core	M20x1.5	26.5	24.0	25.0	18.0	15.0	5.0	M14x1.5	Fig-1
DCB 01 6X -M1A -☐				1 core	M22x1.5	26.5	24.0	36.0	-	16.5	19.5	M16x1.5	Fig-2
DCB 03 6X -M2 -☐				3 cores	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 06 6X -M3 -☐				6 cores	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 10 6X -M4 -☐				10 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 01 10 -M2 -☐	10.0 mm²	58 A	450/750 V	1 core	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 03 10 -M3 -☐				3 cores	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 06 10 -M4 -☐				6 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 01 16 -M2 -☐	16.0 mm²	75 A	450/750 V	1 core	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 03 16 -M3 -☐				3 cores	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 06 16 -M4 -☐				6 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 01 25 -M2 -☐	25.0 mm²	98 A.	450/750 V	1 core	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 03 25 -M4 -☐				3 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 04 25 -M5 -☐				4 cores	M50x1.5	56.0	50.8	25.0	48.0	15.0	5.0	M42x1.5	Fig-1
DCB 01 35 -M2 -☐	35.0 mm²	124 A	450/750 V	1 core	M25x1.5	35.0	31.75	25.0	23.0	15.0	5.0	M18x1.5	Fig-1
DCB 03 35 -M4 -☐				3 cores	M40x1.5	49.0	44.4	25.0	38.0	15.0	5.0	M32x1.5	Fig-1
DCB 04 35 -M5 -☐				4 cores	M50x1.5	56.0	50.8	25.0	48.0	15.0	5.0	M42x1.5	Fig-1
DCB 01 50 -M3 -☐	50.0 mm²	163 A	450/750 V	1 core	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1
DCB 03 50 -M5 -☐				3 cores	M50x1.5	56.0	50.8	25.0	48.0	15.0	5.0	M42x1.5	Fig-1
DCB 01 70 -M3 -☐	70.0 mm²	200 A	450/750 V	1 core	M32x1.5	42.0	38.1	25.0	30.0	15.0	5.0	M25x1.5	Fig-1