

# Junction Boxes & Enclosures

## JBEL and JBEP Series: Polycarbonate and Polyester Junction Boxes Complete with Terminals – Increased Safety

Zone 1 & 2 – 21 & 22

II 2 GD

ATEX / IEC

IP66 – IK10

### Applications:

- Small terminal junction boxes designed to facilitate electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently.
- Ideal for wet or corrosive atmospheres.
- Petroleum, chemical, refineries and other industrial process facilities.
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently.
- Food processing, dairy, brewing and other commercial facilities.

### Features:

- High impact resistant black polycarbonate and polyester enclosures.
- Pillar type terminal block for easy connection.

- Available in two sizes: 4 mm<sup>2</sup> or 10 mm<sup>2</sup> for polycarbonate version and up to 6 mm<sup>2</sup> for polyester version.
- Unarmored or armored versions with earth continuity brass device.
- Operating temperature -40°C to +55°C for polycarbonate version and -55°C to +60°C for polyester version.

### Standard Materials:

#### JBEL Series:

- Static and impact resistant polycarbonate.
- Polyurethane cover gasket.
- Stainless steel hardware.

#### JBEP Series:

- Static resistant carbon filled fiberglass reinforced polyester (FRP) enclosures.
- Stainless steel hardware.

### Ordering Information – JBEL Series:

#### For Unarmored Cables 2.5/4 mm<sup>2</sup> 660 V

Supplied with 4 connection terminals. Maximum capacity per terminal:  
4 x 2.5 mm<sup>2</sup> or 2 x 4 mm<sup>2</sup> + 2 x 2.5 mm<sup>2</sup> and 4 interconnected earth terminals.  
Maximum capacity per earth terminal: 1 x 4 mm<sup>2</sup>



Type	Equipment	Rating (Amps)	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
BJe1	4 x PG16 entries with knock-out caps (*) 4 x Integrated cable glands for unarmored cable diameter 8 to 16 mm (*) Knock-out caps can be used as plugs Important: Cables must be clamped close to the box	28 A/2.5 mm <sup>2</sup> 38 A/4 mm <sup>2</sup>	0.35	1.7	JBEL1N4P16G	096105	1

#### For Armored Cables 2.5/4 mm<sup>2</sup> 660 V

Supplied with 4 connection terminals. Maximum capacity per terminal:  
4 x 2.5 mm<sup>2</sup> or 2 x 4 mm<sup>2</sup> + 2 x 2.5 mm<sup>2</sup> and 4 interconnected earth terminals.  
Maximum capacity per earth terminal: 1 x 4 mm<sup>2</sup>



Type	Equipment	Rating (Amps)	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
BJe1	4 x M20 entries with earth brass continuity device 2 x blanking plugs	28 A/2.5 mm <sup>2</sup> 38 A/4 mm <sup>2</sup>	0.4	1.7	JBEL1A4M20	096104	1

#### For Unarmored Cables 6/10 mm<sup>2</sup> 690 V

Supplied with 4 connection terminals. Maximum capacity per terminal:  
4 x 6 mm<sup>2</sup> or 3 x 10 mm<sup>2</sup> + 4 mm<sup>2</sup> and 4 interconnected earth terminals.  
Maximum capacity per earth terminal: 1 x 10 mm<sup>2</sup>



Type	Equipment	Rating (Amps)	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
BJe2	3 x M20 entries 3 x cable glands for unarmored cable (diameter 6.5 to 14.5 mm)	42A/10 mm <sup>2</sup> 30A/6 mm <sup>2</sup> 18A/4 mm <sup>2</sup>	0.7	4.5	JBEL2N3M20G	096112	1
BJe2	4 x M20 entries 4 x cable glands for unarmored cable (diameter 6.5 to 14.5 mm)		0.7	4.5	JBEL2N4M20G	096113	1
BJe2	3 x M25 entries 3 x cable glands for unarmored cable (diameter 8 to 18.5 mm)		0.7	4.5	JBEL2N3M25G	096118	1
BJe2	4 x M25 entries 4 x cable glands for unarmored cable (diameter 8 to 18.5 mm)		0.7	4.5	JBEL2N4M25G	096119	1

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### Ordering Information – JBEL Series Continued:

#### For Armored Cables 6/10 mm<sup>2</sup> 690 V

Supplied with 4 connection terminals. Maximum capacity per terminal:  
4 x 6 mm<sup>2</sup> or 3 x 10 mm<sup>2</sup> + 4 mm<sup>2</sup> and 4 interconnected earth terminals.  
Maximum capacity per earth terminal: 1 x 10 mm<sup>2</sup>



Type	Equipment	Rating (Amps)	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
BJe2	4 x M20 entries with earth brass continuity device. 2 x M20 blanking plugs	42A/10 mm <sup>2</sup> 30A/6 mm <sup>2</sup> 18A/4 mm <sup>2</sup>	0.7	4.5	JBEL2A4M20	096114	1
BJe2	4 x M25 entries with earth brass continuity device. 2 x M25 blanking plugs		0.7	4.5	JBEL2A4M25	096117	1
BJe2	2 x M25 + 2 x M20 entries with earth brass continuity device. 1 x M25 + 1 x M20 blanking plugs		0.7	4.5	JBEL2A4M05	–	1
BJe2	3 x M25 + 1 x M20 entries with earth brass continuity device. 1 x M25 + 1 x M20 blanking plugs		0.7	4.5	JBEL2A4M06	–	1

### Ordering Information – JBEP Series with Pillar Terminals:

Supplied with 4 connection terminals. Maximum capacity per terminal: 4 x 6 mm<sup>2</sup> – Rating 30 Amps



Type	Equipment	Entry Layout	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
CSPe1	2 x M20 at bottom with earth continuity device		1	4	JBEP3A2M20	–	1
CSPe1	2 x M20 at bottom with two cable glands for unarmoured cable (diameter 6.5 to 14.5 mm)		1.2	4	JBEP3N2M20G	–	1
CSPe1	4 x M20 with earth continuity device and two blanking plugs		1.2	4	JBEP3A4M20	–	1
CSPe1	4 x M20 with four cable glands for unarmoured cable (diameter 6.5 to 14.5 mm)		1.2	4	JBEP3N4M20G	–	1

Supplied with 8 connection terminals. Maximum capacity per terminal: 4 x 6 mm<sup>2</sup> – Rating 30 Amps

Type	Equipment	Entry Layout	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
CSPe2	4 x M20 with earth continuity device and two blanking plugs		1.4	4	JBEP4A4M20	–	1
CSPe2	4 x M20 with four cable glands for unarmoured cable (diameter 6.5 to 14.5 mm)		1.4	4	JBEP4N4M20G	–	1
CSPe2	6 x M20 with earth continuity device and two blanking plugs		1.4	4	JBEP4A6M20	–	1
CSPe2	6 x M20 with six cable glands for unarmoured cable (diameter 6.5 to 14.5 mm)		1.4	4	JBEP4N6M20G	–	1