## **Technical data sheet Junction box X 01**

Item number: 2005000





Junction box for the connection of cables and lines indoors and in outdoor areas. Square design with knock-out entries. Suitable for wall and ceiling mounting with the option to fasten outside, inside or to mount via the corner domes. Particularly impact resistant with IK09. Cover with quick lock, sealable. Made from halogenfree and UV-resistant materials.

Junction box according to DIN EN 60670. Flame-resistant to DIN EN 60695/2/11, test temperature 650 °C. Impact resistance IK09 according to DIN EN 50102. Protection rating IP67 according to DIN EN 60529.























Polycarbonate

#### Master data

Item number	2005000
Description 1	Junction box
Manufacturer	OBO
Dimension	95x95x60
Colour	Light grey; RAL 7035
Material	Polycarbonate
Smallest sales unit	1
Unit of quantity	Piece
Weight	16 kg
Weight unit	kg/100 pc.
CO Footprint (GWP) Cradle-to- Gate	0,6855 kg COe / 1 Piece

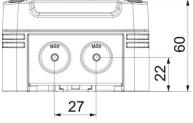
# **Technical data sheet**

## **Junction box X 01**

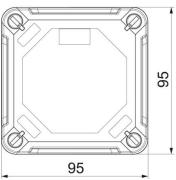
**Item number: 2005000** 



## Dimensions



•	95 mm
Width	95 mm
Height	60 mm
Width	95 mm



### Technical data

Expandable yes No. of entries 7 Type of entry Cuttable stepped membrane Type of housing penetration Measured insulation voltage Vi Equipment Without Cover Not transparent Cover fastening Screwed Entry from rear no Entries 7 x Ø20 Explosion-tested version no Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm Max. Conductor cross-section With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, min. Nominal cross-section, min. Nominal voltage 750 V Sealable yes Internation of the protection rating IF 67 Protection rating IK code IK09			
Type of entry Type of housing penetration Measured insulation voltage Vi Equipment Cover Not transparent Cover fastening Entry from rear Entries 7 x Ø20 Explosion-tested version Flame-resistant Square Fibre-glass reinforced Halogen-free Clear internal dimensions Max. Conductor cross-section With screening with lid Wester for section for sec	•	•	
Type of housing penetration  Measured insulation voltage Vi Equipment  Cover  Not transparent  Screwed  Entry from rear  Entries  7 x Ø20  Explosion-tested version  Flame-resistant  Square  Fibre-glass reinforced  Halogen-free  Clear internal dimensions  Max. Conductor cross-section  With screening  With screening  With screening  With screesing  Mounting type  Nominal cross-section, max.  Nominal voltage  Sealable  Inpact-resistant  Pre-marking  750 V  Without  Not transparent  Screwed  Not 200  Explosion-tested version  no  sec. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C  Square  Square  Fibre-glass reinforced  yes  1.5 mm²  Nowinal cross-section  Nominal voltage  750 V  Sealable  Ipe7	No. of entries	7	
Measured insulation voltage Vi Equipment  Cover  Not transparent  Cover fastening  Entry from rear  Entries  7 x Ø20  Explosion-tested version  Flame-resistant  Square  Fibre-glass reinforced  Halogen-free  Clear internal dimensions  Max. Conductor cross-section  With screening  With screening  With lid  Mounting type  Mounting type  Nominal cross-section, min.  Nominal voltage  Square  750 V  Without  Without  Without  Not transparent  Screwed  no  1.5 W20  Square  Flame-resistant  9es  Max. Conductor cross-section  1.5 mm²  Nominal cross-section, max.  1.5 mm²  Nominal voltage  750 V  Sealable  Impact-resistant  9es  Impact-resistant  Protection rating  IP67	Type of entry	· ·	
Equipment Without Cover Not transparent Cover fastening Screwed Entry from rear no Entries 7 x Ø20 Explosion-tested version no Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Type of housing penetration	Pre-marking	
Cover Screwed  Entry from rear Entries 7 x Ø20  Explosion-tested version no Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, min. Nominal voltage 750 V Sealable Impact-resistant yes Protection rating IP67	Measured insulation voltage Vi	750 V	
Cover fastening Entry from rear Entries 7 x Ø20 Explosion-tested version Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced Halogen-free Ves Clear internal dimensions Max. Conductor cross-section With screening with lid yes Mounting type Nominal cross-section, max. Nominal cross-section, min. Nominal voltage Screwed 750 V Sealable Inpact-resistant Protection rating Ino  Screwed Ino Nominal cross-section Ino VED 0471/DIN 695 Part 2-1, test temperature 650°C Square For VED	Equipment	Without	
Entry from rear no Entries 7 x Ø20 Explosion-tested version no Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Cover	Not transparent	
Entries 7 x Ø20  Explosion-tested version no  Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C  Shape Square  Fibre-glass reinforced yes  Halogen-free yes  Clear internal dimensions 85x85x45 mm  Max. Conductor cross-section 1.5 mm²  With screening no  with lid yes  Mounting type Wall/ceiling mounting  Nominal cross-section, max. 1.5 mm²  Nominal cross-section, min. 0.8 mm²  Nominal voltage 750 V  Sealable yes  Impact-resistant yes  Protection rating IP67	Cover fastening	Screwed	
Explosion-tested version no Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Entry from rear	no	
Flame-resistant acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C Shape Square Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Entries	7 x Ø20	
Shape Square  Fibre-glass reinforced yes  Halogen-free yes  Clear internal dimensions 85x85x45 mm  Max. Conductor cross-section 1.5 mm²  With screening no with lid yes  Mounting type Wall/ceiling mounting  Nominal cross-section, max. 1.5 mm²  Nominal cross-section, min. 0.8 mm²  Nominal voltage 750 V  Sealable yes  Impact-resistant yes  Protection rating IP67	Explosion-tested version	no	
Fibre-glass reinforced yes Halogen-free yes Clear internal dimensions 85x85x45 mm  Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Flame-resistant	acc. to VDE 0471/DIN 695 Part 2-1, test temperature 650°C	
Halogen-free yes Clear internal dimensions 85x85x45 mm  Max. Conductor cross-section 1.5 mm² With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Shape	Square	
Clear internal dimensions 85x85x45 mm  Max. Conductor cross-section 1.5 mm²  With screening no with lid yes  Mounting type Wall/ceiling mounting  Nominal cross-section, max. 1.5 mm²  Nominal cross-section, min. 0.8 mm²  Nominal voltage 750 V  Sealable yes Impact-resistant yes  Protection rating IP67	Fibre-glass reinforced	yes	
Max. Conductor cross-section  With screening  with lid  yes  Mounting type  Nominal cross-section, max.  Nominal voltage  Sealable  Impact-resistant  Protection rating  1.5 mm²  Wall/ceiling mounting  1.5 mm²  1.6 mm²  1.7 m²  1.8 m²  1	Halogen-free	yes	
With screening no with lid yes Mounting type Wall/ceiling mounting Nominal cross-section, max. 1.5 mm² Nominal cross-section, min. 0.8 mm² Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Clear internal dimensions	85x85x45 mm	
with lid yes  Mounting type Wall/ceiling mounting  Nominal cross-section, max. 1.5 mm²  Nominal cross-section, min. 0.8 mm²  Nominal voltage 750 V  Sealable yes  Impact-resistant yes  Protection rating IP67	Max. Conductor cross-section	1.5 mm <sup>2</sup>	
Mounting type Wall/ceiling mounting  Nominal cross-section, max. 1.5 mm²  Nominal cross-section, min. 0.8 mm²  Nominal voltage 750 V  Sealable yes Impact-resistant yes  Protection rating IP67	With screening	no	
Nominal cross-section, max.  Nominal cross-section, min.  Nominal voltage  750 V  Sealable  Impact-resistant  Protection rating  1.5 mm²  0.8 mm²  750 V  Sealable  yes  Impact-resistant  yes  IP67	with lid	yes	
Nominal cross-section, min.  Nominal voltage  750 V  Sealable  Impact-resistant  Protection rating  Nominal cross-section, min.  0.8 mm²  750 V  yes  Impact-resistant  yes  IP67	Mounting type	Wall/ceiling mounting	
Nominal voltage 750 V Sealable yes Impact-resistant yes Protection rating IP67	Nominal cross-section, max.	1.5 mm <sup>2</sup>	
Sealable yes Impact-resistant yes Protection rating IP67	Nominal cross-section, min.	0.8 mm <sup>2</sup>	
Impact-resistant yes Protection rating IP67	Nominal voltage	750 V	
Protection rating IP67	Sealable	yes	
	Impact-resistant	yes	
Protection rating IK code IK09	Protection rating	IP67	
	Protection rating IK code	IK09	

# Technical data sheet Junction box X 01



**Item number: 2005000** 

Technical data		
	Permitted temperature range, max.	60 °C
	Permitted temperature range, min.	-5 °C
	Weatherproof	yes