Pre-Assembled Branching/Terminal Boxes

1 eXLink technology combined with terminal boxes for Zone 1 and Zone 21

Safe costs for installation and maintenace

Each user can enjoy the benefits of the **eXLink** with the pre-assembled branching boxes without having to first perform additional wiring work.

Typical applications such as energy distribution, power supply for modules or bus technology can be performed at a reasonable price. For example, a control unit can be quickly and safely connected to a pre-assembled **eXLink** branching box and disconnected using **eXLink** plugs, leading to cost and time savings during service- and repair work. An additional switch is no longer required.

All connectors can be plugged or disconnect during operation ("hot swap").

If terminal boxes are used for distributing bus cables, these can also be plugged during operation „hot swap" with **eXLink**. No re-boot or shutdown of the system is necessary. This makes diagnosis or re-configuration much easier. There is no need to waste time isolating devices, and possibly having to shut down a machine in the process.

Cables made to your requirements

Cables with **eXLink** plugs and coupler can be ordered ready made according your requirements in different lengths and versions. This is a tremendous cost reduction factor for your commissioning of the system. You can plug together all necessary bus lines, power supply systems and monitoring lines without commissioning of cables, terminals and connectors. No additional cost for re-assembling of cables, re-wiring of connections and testing procedures will arise.



Features

- **Hot swap**
- **Customized solutions**
- **Pre-assembled eXLink connectors wired on terminals**
- **for all standard connection types up to 7-pole**
- **Nominal current up to 16 A per connector**
- **Compatible with Ethernet® and Fast Ethernet®-Bus**



GHG 731 12



GHG 791 02



GHG 791 w. locking device

Technical data

	Type 791 01 / Type 791 02
Marking accd. to 2014/34/EU	Ⓔx II 2 G Ex e IIC T5/T6 Gb / Ⓔx II 2 D Ex tb IIIC T80°C Db
EC-Type Examination Certificate	BVS 16 ATEX E 031
IECEx Certificate of Conformity	IECEx BVS 16.0024
Marking accd. to IECEx	Ex e IIC T5/T6 Gb Ex tb IIIC T80°C Db
Permissible ambient temperature	–20 °C to +40 °C / -55 C to +55 °C (option)
Rated voltage	690 V / 250 V eXLink
Rated current	limited by terminal arrangement and eXLink
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure material	Polyamide

	Type 791 01
Connecting terminals	up to 4 mm²
Cable glands/enclosure drilling	max. 2 x M25 or 1 x M25 + 2 x M12
Dimensions (L x W x H)	81.5 x 100 x 61 mm
Weight	approx. 0.5 kg

	Type 791 02
Connecting terminals	up to 6 mm²
Cable glands/enclosure drilling	max. 2 x M25 or 1 x M32 + 1 x M25 or 1 x M25 + 4 x M12
Dimensions (L x W x H)	117.5 x 113.5 x 73.5 mm
Weight	approx. 0.7 kg

	Type 731 11
Marking accd. to 2014/34/EU	Ⓔx II 2 G Ex de ia/ib [ia/ib] m IIC T4 Ⓔx II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	–20 °C to +40 °C –55 °C to +55 °C (option)
Rated voltage	690 V / 250 V eXLink
Rated current	limited by terminal arrangement and eXLink
Connecting terminals	up to 16 mm²
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure material	glass-fibre reinforced polyester
Dimensions (L x W x H)	140 x 120 x 95 mm
Weight	approx. 1.2 kg



GHG 791 with locking device

Ordering details

Coding	Components	Cable gland	Terminals	Order No.
Ordering details for readey made, prewired terminal boxes GHG 791 01				
230 V AC 10h	2 x flange socket GHG 574 8110 R000x	2 x M20	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5006**
230 V AC 10h	2 x flange socket GHG 574 8110 R300x	2 x M20	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5106**
24 V DC 08h	1 x flange socket GHG 571 8108 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5201**
24 V DC 02h	1 x flange socket GHG 571 8102 R000x	1 x M20	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5202**
230 V AC 10h	1 x flange socket GHG 574 8110 R000x	1 x M25	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5203**
24 V AC 12h	1 x flange socket GHG 571 8212 R000x	1 x M20	2 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5204**
230 V AC 06h	1 x flange socket GHG 571 8106 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5206**
24 V DC 08h	1 x flange socket GHG 571 8208 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5208**
230 V AC 10h	1 x flange socket lockable GHG 574 8110 R090x	1 x M25	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5210**
24 V AC 12h	1 x flange socket GHG 571 8112 R000x	1 x M20 1 x M20 screw plug	2 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5212**
24 V DC 08h	1 x flange socket GHG 571 8108 R000x	1 x M20	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5213**
230 V AC 06h	1 x flange socket GHG 571 8106 R000x	1 x M20	2 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5214**
24 V DC 05h	1 x flange socket GHG 574 8105 R000x	1 x M25	6 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5215**
230 V AC 06h	1 x flange socket GHG 571 8106 R000x	1 x M20	2 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5216**
24 V DC 08h	1 x flange socket GHG 571 8208 R000x	1 x M25	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5217**
24 V DC 08h	1 x inlet GHG 571 9108 R300x	2 x M12	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5218**
230V AC 06h	1 x inlet GHG 571 9106 R000x	1 x M20	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5219**
BUS Ex-i 02h	1 x flange socket GHG 571 8102 R300x	1 x M20 Ex-i	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5220**
BUS Ex-i 08	1 x flange socket GHG 571 8108 R300x	1 x M20 Ex-i	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5221**
24V DC 08h	1 x inlet GHG 571 9108 R000x	1 x M20	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5222**
24V DC 05h	1 x inlet GHG 574 9105 R000x	2 x M16	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5223**
BUS Ex-i 08	1 x flange socket GHG 571 8108 R000x	1 x M20 Ex-i	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5224**

Other types on request



GHG 731 12



GHG 791 02

Ordering details

Coding	Components	Cable gland	Terminals	Order No.
Ordering details for ready made, prewired terminal boxes GHG 791 01				
02h / 08h	1 x flange socket GHG 571 8102 R300x 1 x flange socket GHG 571 8108 R300x	2 x M20	8 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5226**
BUS 02h	1 x flange socket GHG 571 8102 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5227**
BUS Ethernet 01h	1 x flange socket GHG 574 8101 R000x 1 x plug (enclosed) GHG5747101R0001	1 x M12	2 x 2.5 mm² 1 x PE/PA	**GHG 791 0101 R5228**
Ordering details for ready made, prewired terminal boxes GHG 791 02				
230 V AC 06h	3 x flange socket GHG 571 8106 R 000x	1 x M25	5 x 2.5 mm² 2 x PE/PA	**GHG 791 0201 R5001**
24 V DC 08h 24 V DC 12h	1 x flange socket GHG 571 8108 R000x 1 x flange socket GHG 571 8112 R000x	1 x M20 Ex-i	12 x 2.5 mm² 1 x PE/PA	**GHG 791 0201 R5002**
230 V AC 10h	1 x flange socket GHG 574 8210 R000x	3 x M25	12 x 2.5 mm² 2 x PE/PA	**GHG 791 0201 R5003**
230 V AC 10h	1 x flange socket GHG 574 8210 R000x	1 x M25 1 x M25 screw plug	4 x 2.5 mm² 1 x PE/PA	**GHG 791 0201 R5004**
230 V AC 06h	2 x flange socket GHG 571 8106 R000x	2 x M20 trumpet shape 2 x M20 screw plug	6 x 2.5 mm² 2 x PE/PA	**GHG 791 0201 R5005**
230 V AC 10h	2 x flange socket GHG 574 8110 R300x	2 x M25	8 x 2.5 mm² 2 x PE/PA	**GHG 791 0201 R5006**
230 V AC 06h	2 x flange socket GHG 571 8206 R000x	2 x M25	4 x 2.5 mm² 2 x PE/PA	**GHG 791 0201 R5007**
24 V DC 08h	1 x flange socket GHG 572 8108 R300x	2 x M16	12 x 2.5 mm² 2 x PE/PA	**GHG 791 0201 R5008**
24V AC 12h	1 x flange socket GHG 571 8112 R000x 1 x flange socket GHG 572 8112 R000x	1 x M20 1 x M25	8 x 2.5 mm² 1 x PE/PA	**GHG 791 0201 R5009**
24V DC 08h	1 x flange socket GHG 571 8108 R000x	1 x M16 Ex-i 1 x M16 screw plug 1 x M20 Ex-i	6 x 2.5 mm² 1 x PE/PA	**GHG 791 0201 R5011**
Ordering details for ready made, prewired terminal boxes GHG 731 12				
24 V DC 8h	3 x flange socket GHG 571 8108 R000x	1 x M25 Ex-i	12 x 2.5 mm²	**GHG 731 1201 R5001**
230 V AC 6h 230 V AC 10h	1 x inlet GHG 574 9103 R000x 1 x inlet GHG 574 9110 R000x	2 x M20	8 x 2.5 mm² 2 x PE/PA	**GHG 731 1201 R5002**

Other types and sizes on request



GHG 791 w. locking device

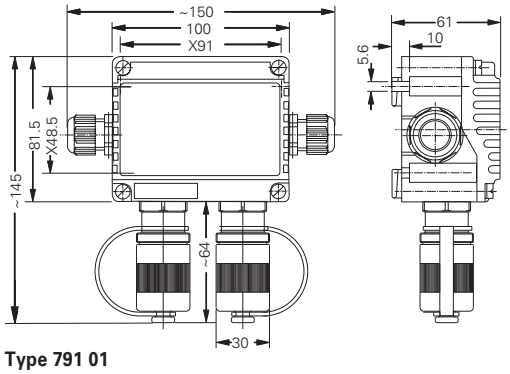


GHG 791 02

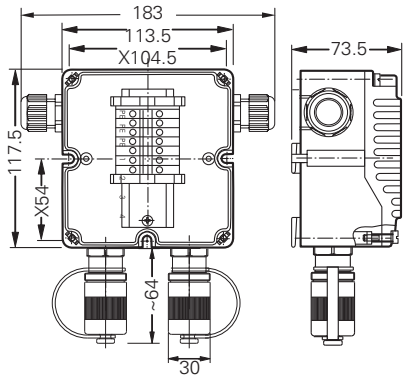


GHG 731 12

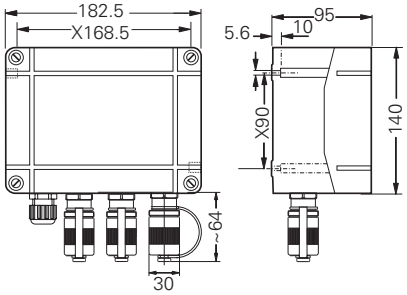
Dimension drawing eXLink



Type 791 01



Type 791 02



Type 731 12

X = fixing dimensions

Dimensions in mm