

Flameproof insulation culverts
type IPO -...

Application:

IPO flameproof bushings are used for connections of electric circuits between the chambers of shields of flameproof electrical devices of group I. There are two types: with a flameproof IPO-G .. threaded joint and with an IPO-W .. flameproof cylindrical joint.

ATEX



Technical parameters of the IPO-G .. and IPO-W .. flameproof culverts:

- cable type:
 - type 1
 - type 2
- conductor cross-section: - 1,5mm²
- rated current: - 10A/1 wire
- number of wires: - 1÷24
- the size of the culvert:
 - screw: - M20x1,5÷ M50x1,5
 - cylindrical: - Ø20 ÷ Ø50
- working temperature range (due to flooding): -20°C to +100°C
- relative humidity: - to 95%
- work position: - any
- temperature rise of the 24-wire bushing <20°C

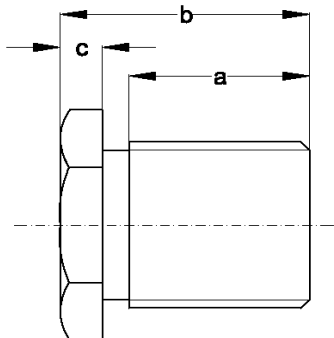


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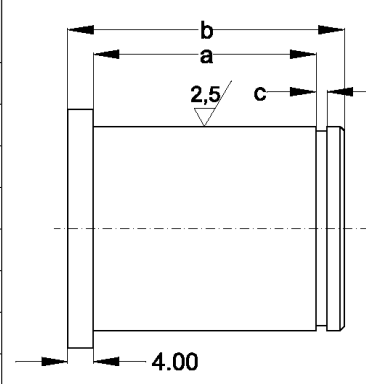
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Type of conduit	Number of wires	Threaded joint dimension	Dimension [mm]		
			a	b	c
IPO-G20	1+3	M20x1,5	20	28	5
IPO-G24	1+5	M24x1,5	20	28	5
IPO-G32	1+8	M32x1,5	20	29	5
IPO-G36	1+10	M36x1,5	20	29	5
IPO-G38	1+12	M38x1,5	20	29	6
IPO-G42	1+20	M42x1,5	20	31	8
IPO-G45	1+20	M45x1,5	20	31	8
IPO-G50	1+24	M50x1,5	20	30	7



Type of conduit	Number of wires	Diameter of the cylindrical joint [mm]	Dimension [mm]		
			a	b	c
IPO-W20	1+3	20	25	31,5	1,3
IPO-W24	1+5	24	25	32	1,3
IPO-W32	1+8	32	25	32,5	1,6
IPO-W36	1+10	36	25	34,5	1,85
IPO-W38	1+12	38	25	34,5	1,85
IPO-W42	1+20	42	25	36	2,15
IPO-W45	1+20	45	25	36	2,15
IPO-W50	1+24	50	25	36	2,15

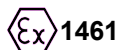


Certificate:

Flameproof insulation culverts type IPO-G .. and IPO-W .. have the EU type examination certificate: **KDB 06ATEX158U / 4** of **18.07.2012**, performed by the Central Mining Institute, the Certification Body of the Experimental Mine "Barbara" as a supplement to the EU-type examination certificate **KDB 06ATEX158U** of **June 26, 2006**, and meets the requirements of the following standards:

- PN-EN 60079-0:2013 (EN 60079-0:2012),
- PN-EN 60079-1:2014 (EN 60079-1:2014).

The IPO-G .. and IPO-W .. fireproof insulation culverts are marked in accordance with the EU-type examination certificate as follows:



KDB 06ATEX158U

I M2 Ex d I Mb