

Cable entries type WKp

Application:

WKp type cable glands are intended for introducing cables and wires with a circular cross-section into the interior of flameproof electrical devices.

Depending on the design, the WKp inlets allow the entry of cables and wires with an external diameter from Ø17mm to Ø78mm.

WKp inlets are made as steel and welded structures.

The sealing of the cable or cable in the inlet is achieved by means of a suitable rubber gasket.

The main elements of the WKp gullies are:

1. body with internal seat for sealing ring,
2. choke,
3. mounting bracket
4. metal washer,
5. presser,
6. elastomer sealing ring.

If no wire or cable is introduced into the inlet, a suitable metal plug is provided for installation. The inlet is attached to the device with two M12 screws.

There is a cylindrical flameproof joint between the inlet body and the flameproof device.



Inlet type	Outer diameter of cable [mm]	Execution	Conductor diameter range [mm]	Outer diameter of the seal	The diameter of the seal's opening	Thickness
WKp-1	Ø17 - Ø28	1	Ø17 - Ø20	Ø65 ^{+0,3 -0,4}	Ø20 ^{+0,5}	32±0,5
		2	Ø20 - Ø24		Ø24 ^{+0,5}	
		3	Ø24 - Ø28		Ø28 ^{+0,5}	
WKp-2	Ø32 - Ø54	1	Ø32 - Ø40	Ø87,5 ^{+0,3 -0,4}	Ø40 ^{+0,5}	37±0,5
		2	Ø40 - Ø48		Ø48 ^{+0,5}	
		3	Ø48 - Ø54		Ø54 ^{+0,5}	
WKp-3	Ø49 - Ø64	1	Ø49 - Ø55	Ø101,5 ^{+0,3 -0,4}	Ø55 ^{+0,5}	47±0,5
		2	Ø55 - Ø64		Ø64 ^{+0,5}	
WKp-4	Ø56 - Ø78	1	Ø56 - Ø65	Ø105,5 ^{+0,3 -0,4}	Ø65 ^{+0,5}	47±0,5
		2	Ø65 - Ø72		Ø72 ^{+0,5}	
		3	Ø72 - Ø78		Ø75 ^{+0,5}	

Technical parameters of WKp inlets:

- operating temperature range of cable inlets:	- 20°C +40°C
- level of security:	IP54
- relative humidity:	to 95 %
- working position:	any
- environment:	moderately chemically aggressive



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Certificate:

WKp type cable glands have the EU type examination certificate: **KDB 05ATEX148U / 4** of **20.06.2012**, carried out by the Central Mining Institute, the Certification Body of the Experimental Mine "Barbara" as a supplement to the EU-type examination certificate: **KDB 05ATEX148U** of **May 12, 2005**, and meets the requirements of the following standards:

- PN-EN 60079-0:2013,
- PN-EN 60079-1:2014.

WKp type cable glands are marked in accordance with the EU-type examination certificate as follows:



1461

KDB 05ATEX148U
I M2 Ex d I Mb
II 2G Ex d IIC Gb