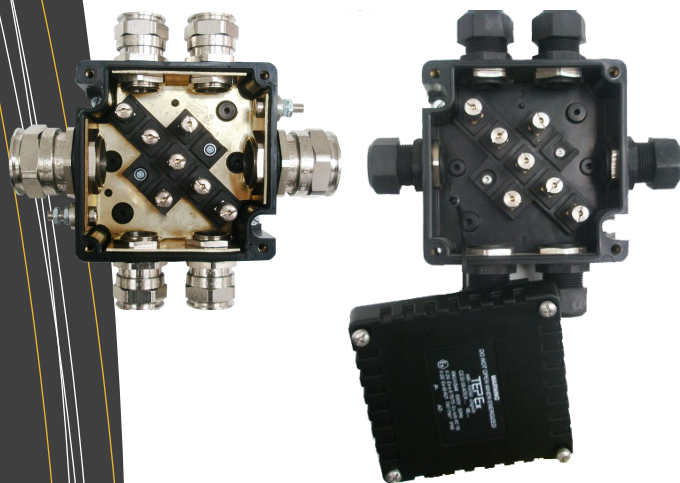


**Zone 1, 2, 21, 22**



### APPLICATION

Explosion protected junction box RK 01/... are used for carrying and distributing electrical power in hazardous areas intended for use in explosive gas and dust atmosphere in danger Zones 1, 2, 21, 22.

The junction box RK 01/... are fitted with pillar (mantle) terminals or terminal blocks for cable up to 6mm<sup>2</sup>. For cable with armoured cable there are junction boxes available with internal metal plate and external earthing terminal.

### CONSTRUCTION

Enclosure: PA glass fibre reinforced polyamide, color - black

Cover: PA glass fibre reinforced polyamide with integrated thermoplastic elastomer gasket, closes with four M5 stainless steel screws.

### TECHNICAL DATA

<b>Certificate:</b>	CESI 10 ATEX 040		
<b>Marking:</b>	CE 0722		
<b>Apparatus category:</b>	II 2G II 2D		
<b>Marking of explosion protection:</b>	Ex e II T6 Ex ia/ib IIC T6 Ex tD A21 T80°C		
<b>Environment temperature:</b>	-20°C ≤ Ta ≤ +40°C or +50°C -40°C ≤ Ta ≤ +50°C, with specially designed cable glands -40°C ≤ Ta ≤ +70°C, for Ex i, with specially designed cable glands		
<b>Degree of protection:</b>	IP 66		
<b>Resistance to shock:</b>	IK 08		
<b>Insulation class:</b>	I (protective earthing) in accordance with EN 61140		
<b>Rated voltage:</b>	630 V		
<b>Maximum voltage for Ex i:</b>	60 V		
<b>Nominal cross-section:</b>	4 mm <sup>2</sup> RK01/514, RK01/514 Exi, RK01/544, RK01/744 6 mm <sup>2</sup> RK01/516		
<b>Terminal rated current:</b>	RK01/744, RK01/544 RK01/544E	Ta ≤ 40°C Ta ≤ 50°C	22 A 18 A
	RK01/514	Ta ≤ 40°C Ta ≤ 50°C	20 A 16 A
	RK01/516	Ta ≤ 40°C Ta ≤ 50°C	25 A 20 A
<b>Cable current load capacity:</b>	1.5 mm <sup>2</sup> - 16 A 2.5 mm <sup>2</sup> - 20 A 4 mm <sup>2</sup> - 25 A 6 mm <sup>2</sup> - 32 A		
<b>Cable entries, cable glands and screw plugs:</b>	Cable entries in accordance with EN 60423 Cable glands in accordance with EN 50262 6 x M25 for cable φ6-15 mm (φ13-19 mm available on request) 6 x M32 for cable φ12-21 mm (φ17-25 mm available on request) 4 x M25 for cable φ6-15 mm (φ13-19 mm available on request) 4 x M32 for cable φ12-21 mm (φ17-25 mm available on request)		
<b>External earthing terminal:</b>	2x6 mm <sup>2</sup> max., cable lug 6-6, DIN 46234 (on type RK01/544-E)		
<b>Weight:</b>	0,55 kg 0,80 kg with internal metal plate		

### MOUNTING

With two screws through the housing holes φ6 mm at the peaks the rectangle:  
100 x 75 mm

**Ex JUNCTION BOX type RK 01/...**



ATEX

CE 0722



## MODEL CODE

TYPE	DESIGN	CABLE GLANDS	NUMBER OF TERMINALS - TERMINAL CROSS SECTION (nominal)	MAX. CAPACITY PER TERMINAL
RK 01/514		cable glands 4xM25 for cable φ6-15mm, 2xM25 screw plug	5 - 1 x 4mm <sup>2</sup> (L1, L2, L3, N, PE)	1x0,5...4mm <sup>2</sup> 2x0,5...2,5mm <sup>2</sup>
RK01/514 Ex i			5 - 1 x 4mm <sup>2</sup> (Blue 1-5)	
RK 01/516		cable glands 6xM25 for cable φ6-15mm	5 - 1 x 6mm <sup>2</sup> (L1, L2, L3, N, PE)	1x1,5...6mm <sup>2</sup> 2x1,5...4mm <sup>2</sup>
RK 01/544			5 - 4 x 4mm <sup>2</sup>	4x4mm <sup>2</sup> 6x2,5mm <sup>2</sup> 1x4mm <sup>2</sup> + 2x2,5mm <sup>2</sup> + +3x1,5mm <sup>2</sup> 1x4mm <sup>2</sup> + 5x1,5mm <sup>2</sup> 2x4mm <sup>2</sup> + 3x2,5mm <sup>2</sup>
RK 01/744		7 - 4 x 4mm <sup>2</sup>		
RK 01/544-E		2 x M32 cable glands for armoured cable Ø <sub>v</sub> 23-32mm 4 x M25 cable glands for armoured cable Ø <sub>v</sub> 17-23mm	5 - 4x 6mm <sup>2</sup>	

Other configuration available on request

## DIMENSIONS

