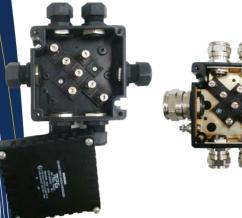
Junction box



APPLICATION

Explosion protected junction boxes RK 01/... are intended for carrying and distributing electrical power in places with an explosive gas and dust atmosphere. The junction box is designed for use in the industrial areas and facilities, indoor and outdoor spaces.

The junction box RK 01/... are fitted with pillar (mantle) terminals or terminal blocks for cable up to 6mm². For cable with armored cable there are junction boxes available with internal metal plate and external earthing terminal.

CONSTRUCTION

Enclosure: PA glass fiber reinforced polyamide, color - black

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

TECHNICAL DATA	TECHNICAL DATA					
Certificate:	CESI 10 ATEX 040					
Marking:	C € 0722					
Apparatus category:	II 2G II 2D					
Marking of explosion protection:	Ex e II T6 Ex ia/ib IIC T6 Ex tD A21 T80°C					
Ambient temperature:	-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 glands					
Degree of protection:	IP 66 category 1					
Resistance to shock:	IK 08					
Protection class:	I (protective earthing)					
Rated voltage:	630 V					
Maximum voltage for Ex i:	60 V					
Nominal cross-section:	4 mm ² RK01/514, RK0 6 mm ² RK01/516	01/514 Exi, RK01/544,RK01/744				
	RK01/744,RK01/544 RK01/544E	Ta≤40°C 22 A Ta≤50°C 18 A				
Terminal rated current:	RK01/514	Ta≤40°C 20 A Ta≤50°C 16 A				
	RK01/516	Ta≤40°C 25 A Ta≤50°C 20 A				
Cable current load capacity:	1.5 mm ² - 16 A 2.5 mm ² - 20 A 4 mm ² - 25 A 6 mm ² - 32 A					
Cable entries, cable glands and screw plugs:	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)					
External earthing terminal:	2x6 mm2 max., cable lug 6-6, DIN 46234 (on type RK01/544-E)					
Weight:	0,55 kg 0,80 kg with internal metal plate					
Packing:	The packing contains: 14 pcs 435x260x220 mm					



100 x 75 mm

MOUNTINGWith two screws through the housing holes φ6 mm at the peaks the rectangle:

£.









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 \$\phi6-15mm\$, 2xM25 screw plug	5 - 1 x 4mm ² (L1, L2, L3, N, PE)	1x0,54mm ² 2x0,52,5mm ²
RK01/514 Ex i			5 - 1 x 4mm ²	
RK 01/516			5 - 1 x 6mm ² (L1, L2, L3, N, PE)	1x1,56mm ² 2x1,54mm ²
RK 01/544		cable glands 6xM25	5 - 4 x 4mm²	4x4mm ² 6x2,5mm ² 1x4mm ² + 2x2,5mm ² + +3x1,5mm ² 1x4mm ² + 5x1,5mm ² 2x4mm ² + 3x2,5mm ²
RK 01/744		for cable φ6-15mm	7 - 4 x 4mm²	
RK 01/544-E		2 x M32 cable glands for armoured cable $\emptyset_{v}23-32$ mm 4 x M25 cable glands for armoured cable $\emptyset_{v}17-23$ mm	5 - 4x 6mm²	

Other configuration available on request

DIMENSIONS

