



VKK2R-8 Ex

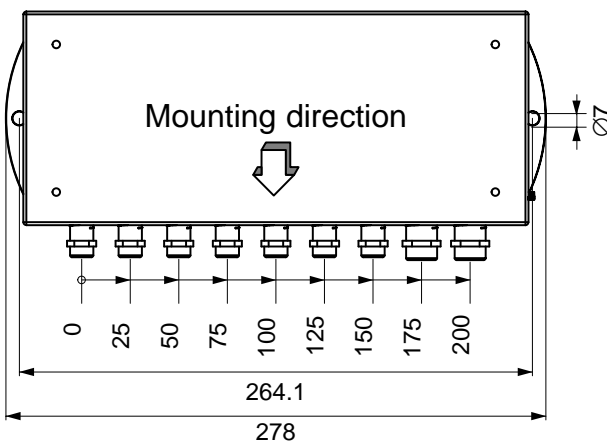
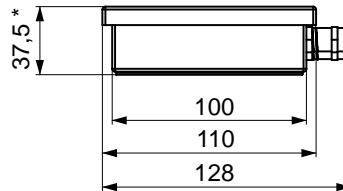
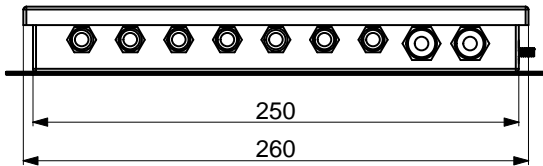
Junction box

Special features

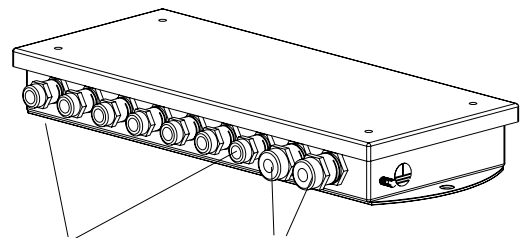


- EC-type examination certificate PTB05 ATEX 2014
- Parallel connection of up to 8 load cells for use in potentially explosive atmospheres
- Corner balancing via integrated resistor network
- Housing in stainless steel
- Marking
 II 2 G EEx ia IIC T4 (for Zone 1)
 II 2 G EEx e II T4 (for Zone 1)
 II 2 D IP65 T 80 °C (for Zone 21)
 II 3 G EEx nA IIC T4 (for Zone 2)
 II 3 D IP65 T 80 °C (for Zone 22)

Dimensions (in mm; 1 mm = 0.03937 inches)



* with rubber sealing (mounted state)

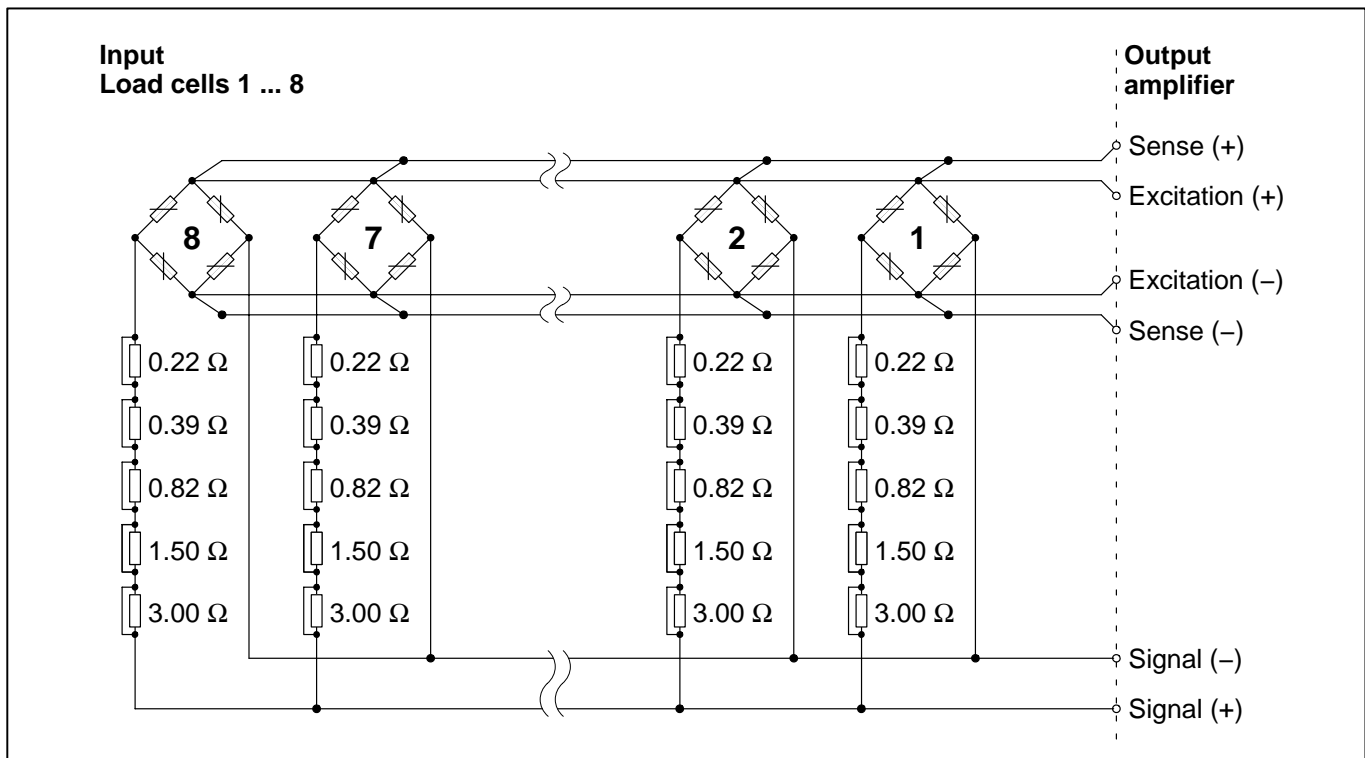


7x M12, a.f. 14 for cable diameter 5 ... 6.5 mm

2x M16, a.f. 17 for cable diameter 5 ... 9 mm



Corner load balancing



Specifications

Type		VKK2R-8 Ex	
		Zone 1, 2; 21; 22	Zone 1 (intrinsic safety)
Resistor network for corner load balancing	Ω	0.22...5.93 (in 30 steps)	
Max. permissible voltage	V	12	22
Nominal temperature range		-20...+70 [-4...+158]	
Operating temperature range	°C [°F]	-20...+70 [-4...+158]	
Storage temperature range		-40...+85 [-40...185]	
Interference immunity check			
Electromagnetic field (26...1000 MHz)	V/m	10	
Burst (to connected cables)	V	1000	
Electrostatic discharge (to housing)	V	6000	
Weight, approx.	kg	1	
Max. wire cross section of cable strands	mm ²	1.5	
Degree of protection according to EN 60529 (IEC 529)		IP65 (dust-tight and protected against water jets)	
Materials:			
Housing		stainless steel	
Screwed cable gland: *)			
Sleeve nut		7 x M12, a.f.14; 2 x M16, a.f.17 nickel-plated brass	
Clamping cone		Neoprene for cable Ø 5...9 mm with M16 x 1.5 for cable Ø 5...6.5 mm with M12 x 1.5	

*) with EC-type examination certificate DMT 99 ATEX E 016 II 2 G D EEx e II IP68

Modifications reserved.

All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

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