



VKK2R-8 Ex

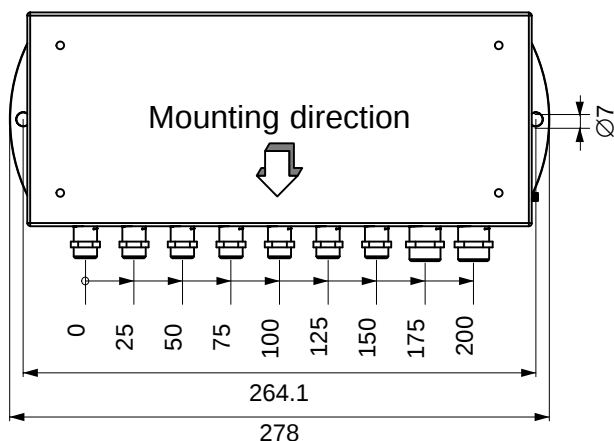
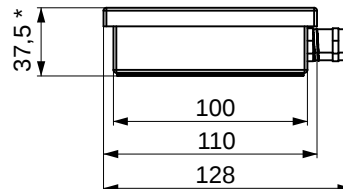
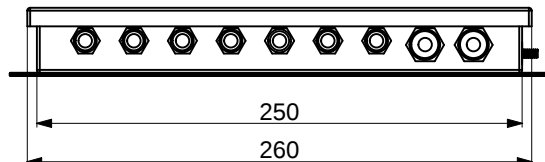
Junction box



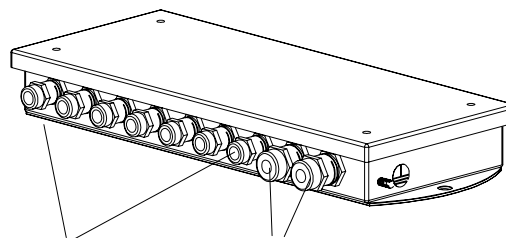
Special features

- EC-type examination certificate PTB05 ATEX 2014
- Parallel connection of up to 8 load cells for use in potentially explosive atmospheres: Zone 1, 2 and 21, 22
- Corner balancing via integrated resistor network
- Housing in stainless steel

Dimensions (in mm; 1 mm = 0.03937 inches)



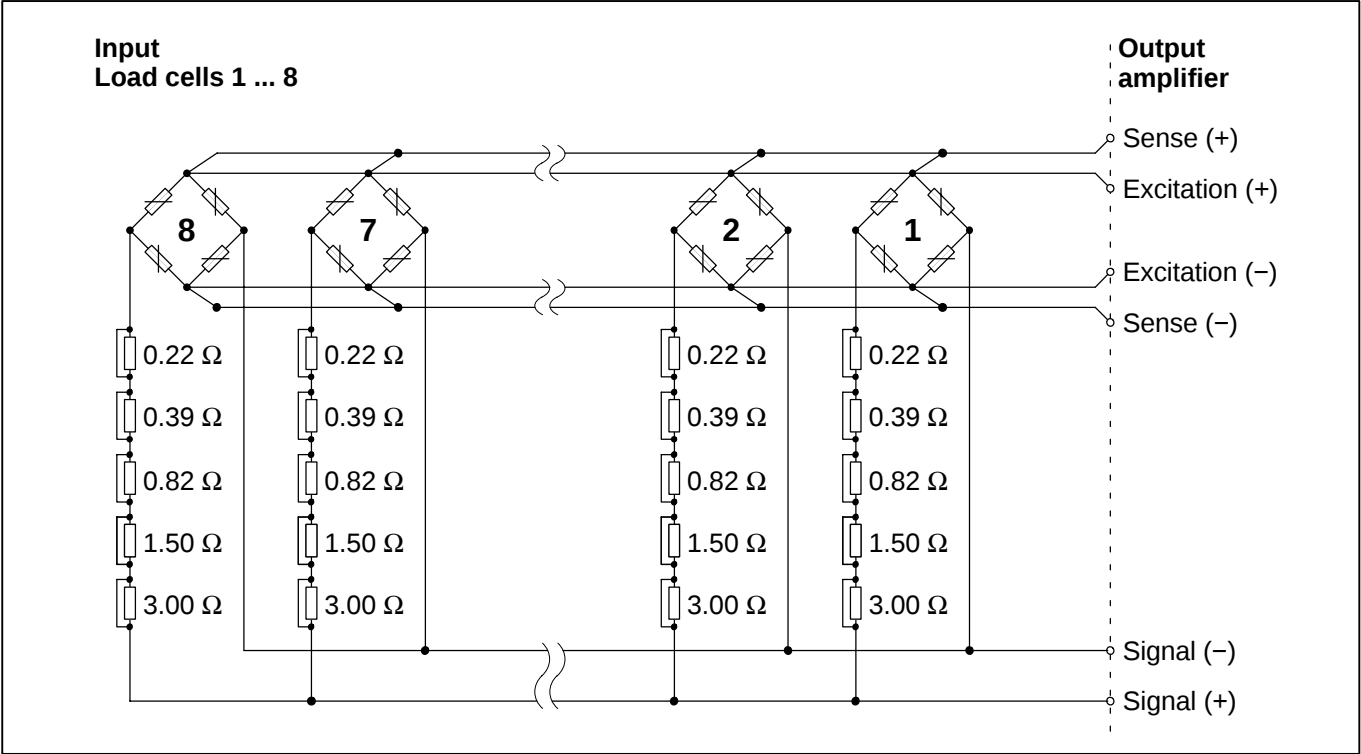
* with rubber sealing (mounted state)



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	
Max. permissible voltage	V	Zone 1, 2; 21; 22 12 II 2 G Ex e II T4 II 2 D Ex tD A21 IP65 T 80 °C II 3 G Ex nA II C T4 II 3 D Ex tD A22 IP65 T 80 °C	Zone 1, 21, 22 (intrinsic safety) 22 II 2 G Ex ia II C T4 II 2 D Ex iaD A21 T 80 °C
Designation			
Resistor network for corner load balancing	Ω	0.22...5.93 (in 31 steps)	
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:		stainless steel	
Housing			
Ex screwed cable gland:			
Sleeve nut			
Clamping cone			

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