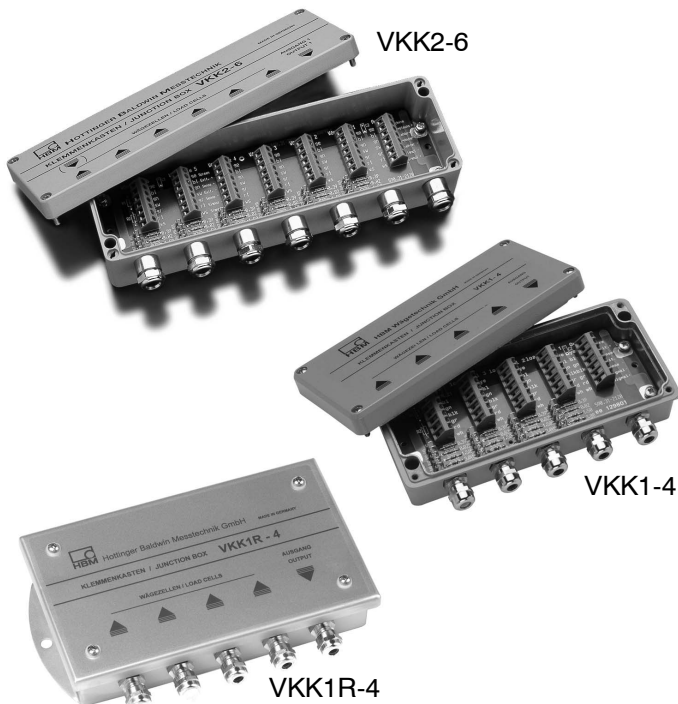


VKK1-4, VKK1R-4, VKK2-6

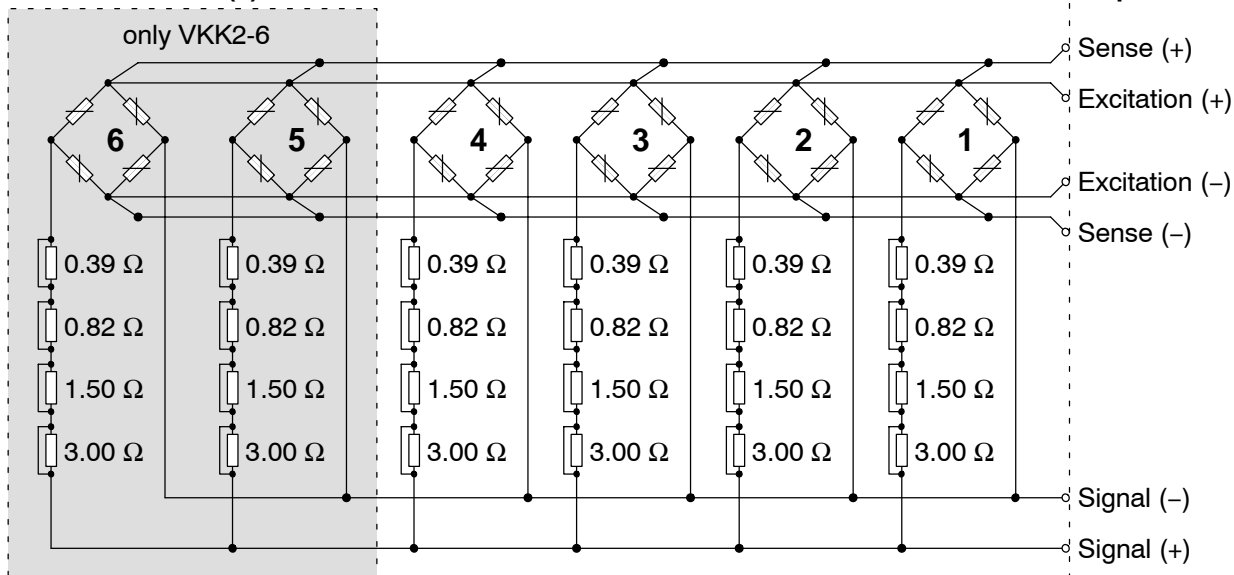
Junction boxes



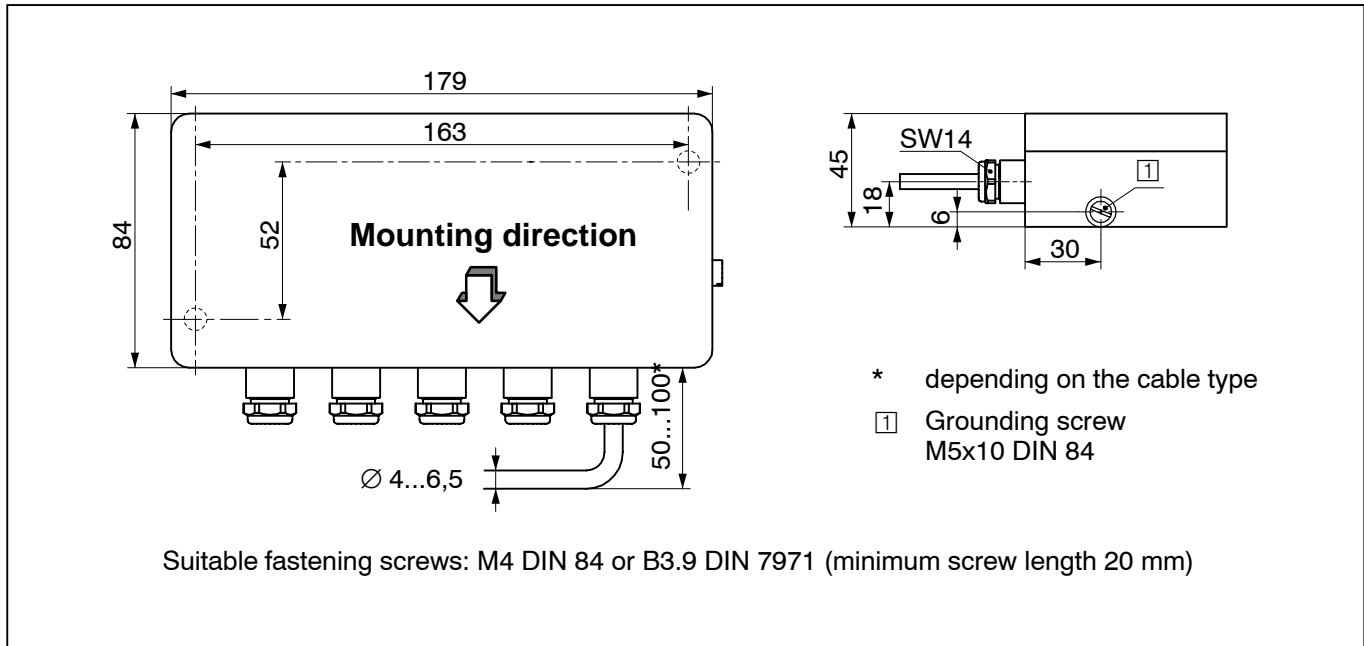
Special features

- Parallel connection of up to:
4 load cells: VKK1-4, VKK1R-4
6 load cells: VKK2-6
- Corner balancing via integrated resistor network
- EMC-proof according to EN 45 501 and EN 61 323 due to HBM shielding method
- Expandable to more than six load cells (only VKK2-6)
- Protection class IP65 to EN 60 529
- VKK1R-4 with stainless housing

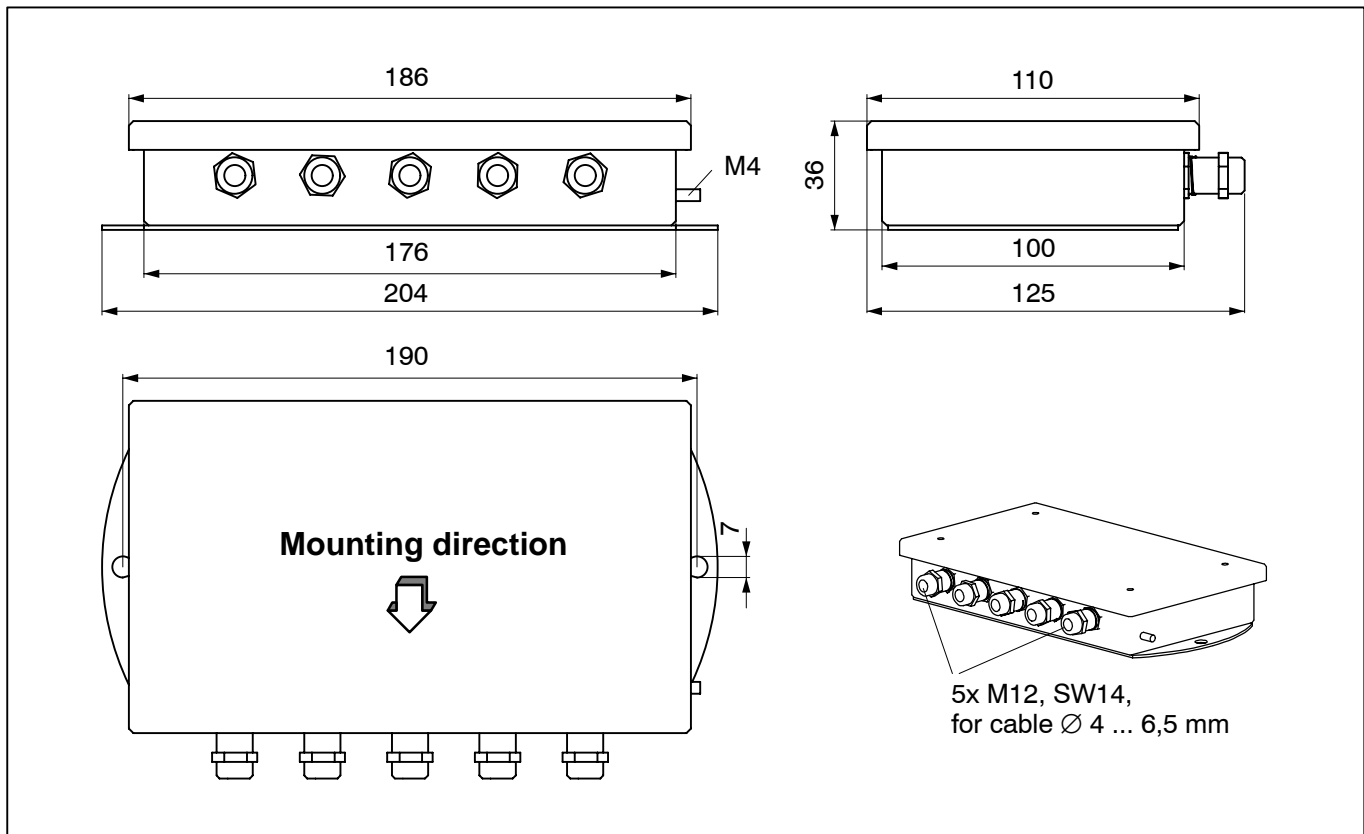
Input:
Load cells 1 ... 4 (6)



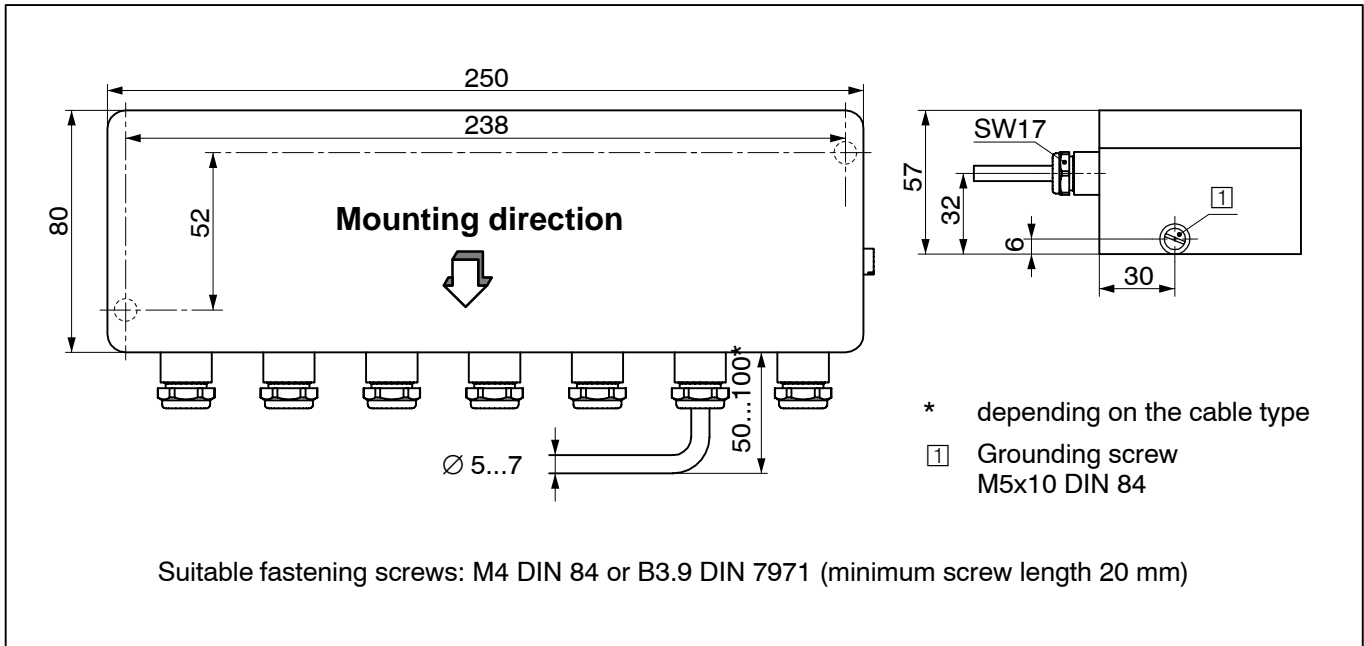
Dimensions VKK1-4 (in mm; 1 mm = 0.03937 inches)



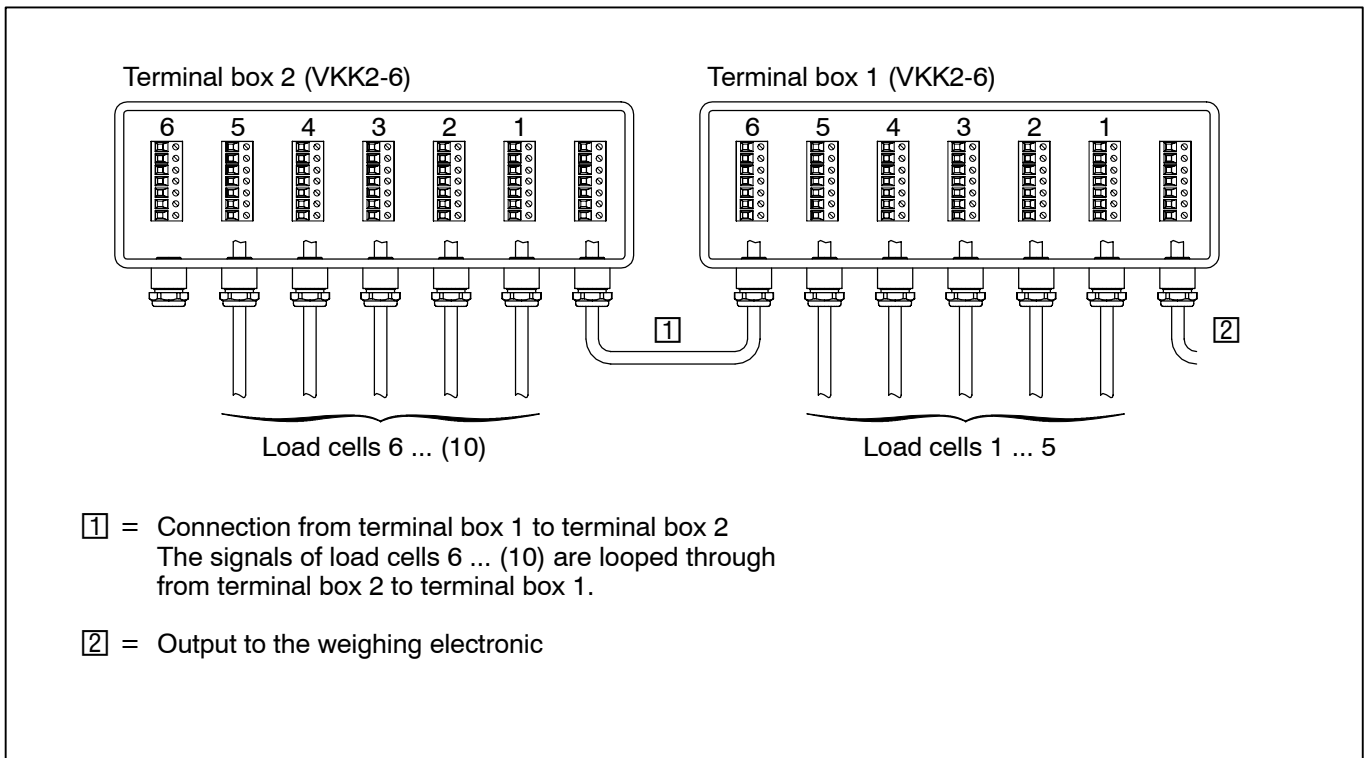
Dimensions VKK1R-4 (in mm; 1 mm = 0.03937 inches)



Dimensions VKK2-6 (in mm; 1 mm = 0.03937 inches)



Typical parallel connection of up to 10 load cells with 2 VKK2-6



Specifications

Type		VKK1-4	VKK1R-4
Resistor network for corner load balancing	Ω	0.39...5.71 (in 15 steps)	
Max. permissible voltage	V	18	
Nominal temperature range		-20...+85 [-4...+185]	
Operating temperature range	$^{\circ}\text{C}$ [$^{\circ}\text{F}$]	-20...+85 [-4...+185]	
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	1.5
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		Diecast aluminum, coated (color: RAL 7001)	Stainless steel
Sleeve nut		PG7, SW14, nickel-plated brass	M12, SW14, nickel-plated brass
Clamping cone		Neoprene, für cable- \varnothing 4...6.5 mm	Neoprene, für cable- \varnothing 4...6.5 mm

Type		VKK2-6	
Resistor network for corner load balancing	Ω	0.39 ... 5.71 (in 15 steps)	
Max. permissible voltage	V	18	
Nominal temperature range		-20...+85 [-4...+185]	
Operating temperature range	$^{\circ}\text{C}$ [$^{\circ}\text{F}$]	-20...+85 [-4...+185]	
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		Diecast aluminum, coated (color: RAL 7001)	
Sleeve nut		PG9, SW17, nickel-plated brass	
Clamping cone		Neoprene, für cable- \varnothing 5...7 mm (and a complete screwed cable gland for cable diameters 7...8.5 mm)	

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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