DATA SHEET

VKK1A-4-A, VKK1R-4-A
Junction boxes

SPECIAL FEATURES

- Parallel connection of up to 4 load cells
- Off-center load compensation via the integrated resistor network in 15 stages
- HBM shielding design Green-Line
- Degree of protection IP 67 as per EN 60529
- VKK1A-4-A housing made of die-cast aluminum
- VKK1R-4-A housing made of rust-proof material

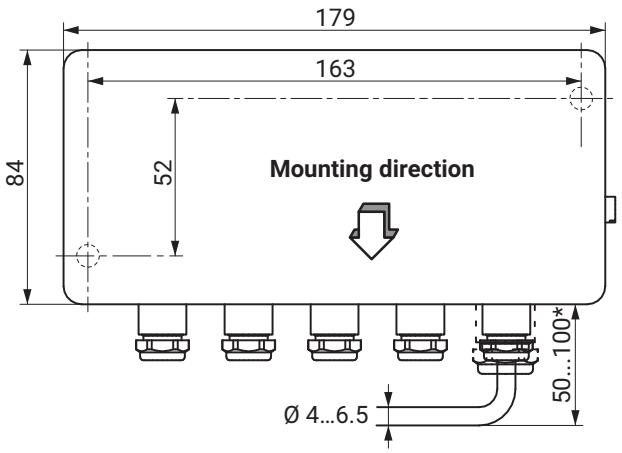


VKK1A-4-A

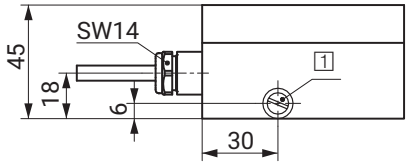


VKK1R-4-A

DIMENSIONS OF VKK1A-4-A



Dimensions (in mm; 1 mm = 0.03937 inches)



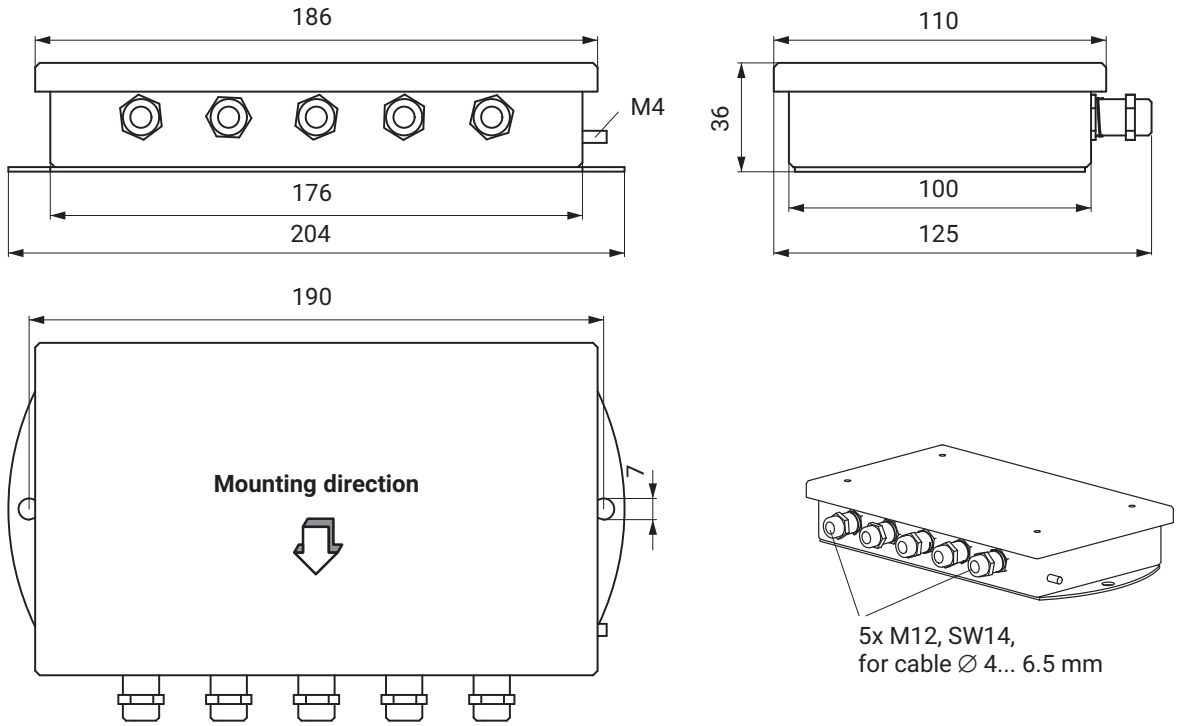
* dependent on cable type

1 grounding screw M5x10 DIN 84

Suitable fastening screws: M4 DIN 84 or B3.9 DIN 7971 (min. screw length 20 mm);

DIMENSIONS OF VKK1R-4-A

Dimensions (in mm; 1 mm = 0.03937 inches)

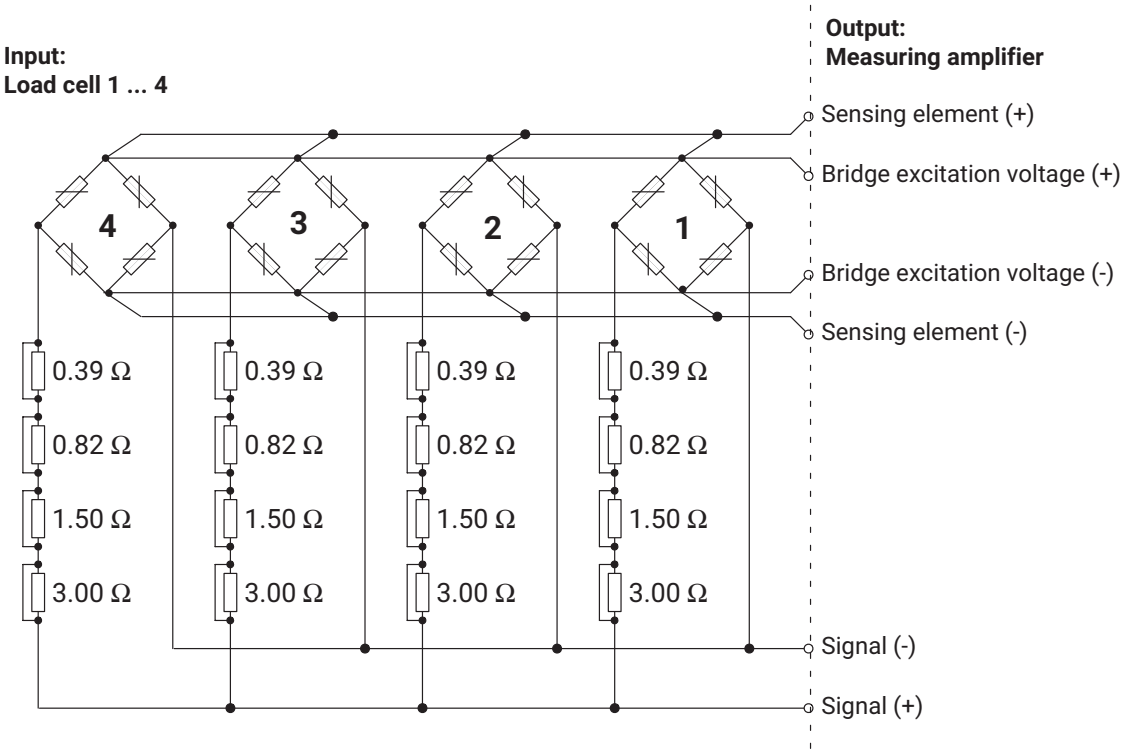


SPECIFICATIONS

Type		VKK1A-4-A	VKK1R-4-A
Resistor network for off-center load compensation	Ω	0.39...5.71 (in 15 steps)	
Max. permissible voltage	V	18	
Nominal (rated) temperature range	°C	-20...+85	
Operating temperature range	°C	-20...+85	
Storage temperature range	°C	-40...+85	
Dimensions	mm	204 x 110 x 36	
Weight, approx.	kg	1	1.5
Max. wire cross-section of cable strands	mm^2	1.5	
Degree of protection as per EN 60529 (IEC 529)		IP67 (protected against temporary immersion)	
Materials Housing		Die-cast aluminum, coated (color: RAL 7035)	Stainless steel, 1.4301
Swivel nut		5x M12, SW14, nickel-plated brass	5x M12, SW14, nickel-plated brass
Clamping cone		Neoprene, for cable ∅ 4...6.5 mm[1)]	Neoprene, for cable ∅ 4...6.5 mm
Screws		Galvanized steel	Steel 1.4301
Tightening torques (max.)			
PG seal	Nm	3	3
Cover screws	Nm	0.7	0.7

RESISTOR NETWORK IN JUNCTION BOX

For off-center load compensation of 4 load cells



Function of the integrated resistor network

The off-center load compensation of a scale can simply be completed via the resistor network, if required.

Only three steps need to be completed for this process:

1. Load the scale corners
2. Read the correction value from the diagram (see mounting instructions)
3. Activate the balancing resistor.

ORDERING NUMBERS

Ordering number	Description	Figure
1-VKK1A-4-A	Terminal box, aluminum	
1-VKK1R-4-A	Terminal box, rust-proof	

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They are not to be understood as a guarantee of quality or durability.