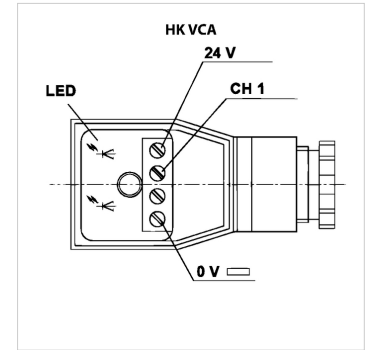


Properties

Application	Volumetric flow measurement
Material	Housing: Aluminium AlMgSi F30 Measurement mechanism: Steel 1.7139
Operating temperature max. °C	80
Operating voltage	12 - 30 V DC, polarised
Output signal	PNP / NPN



Description

Series HK VCA gear flow meters are flow meters for viscous fluids. The metering system consists of a pair of gears, which are driven by the flow of fluid using the same principle as a gear motor.

The metering system bearings are designed as radial-axial friction bearings. The motion of the gears is sampled by a magnetoresistive sensor separate from the metering room.

Measuring accuracy HK VCA 2: $\pm 2.5\%$ of range limit value

Measuring accuracy HK VCA 5: $\pm 1.0\%$ of range limit value

Protection class IP 64 DIN 40050

1 measuring channel

Pulse amplitude: $U_A \geq 0.8 U_B$

Output signal pulse shape: Rectangular, scanning ratio/channel 1:1 $\pm 15\%$

Item

Identification	Measuring range	Gewinde	Version	Pressure max. (bar)	Weight (kg)
HK VCA 2 FC R1	1 to 65 l/min	G 3/4"	Square wave output signal	160	1.900
HK VCA 2 FC R1V	1 to 65 l/min	G 3/4"	without preamplifier (for plug-in display HK SD1)	160	1.800
HK VCA 5 FE R1 176	1 to 200 l/min	G 1"	Square wave output signal	80	6.200
HK VCA 5 FE R1V 176	1 to 200 l/min	G 1"	without preamplifier (for plug-in display HK SD1)	80	6.000

Accessories

HK SD1	Plug-in display digital
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