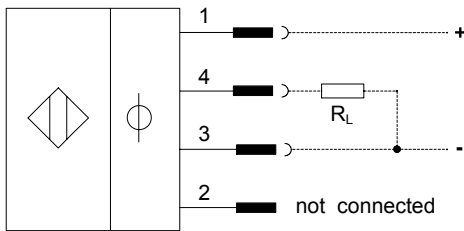


### Series Q60

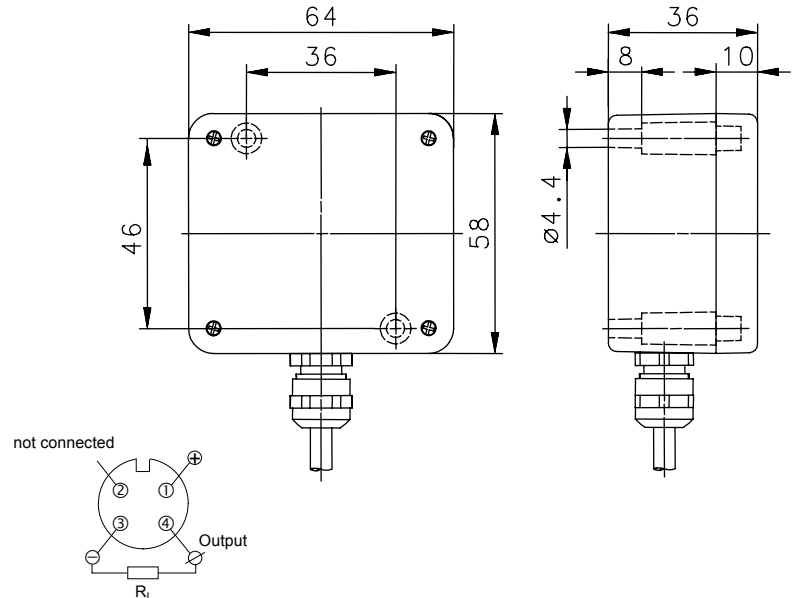
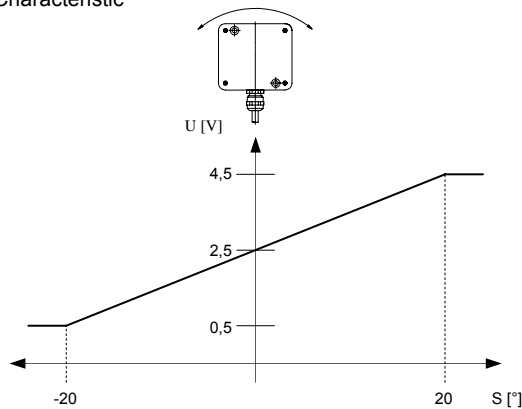
Description **KAW-Q60UA/040-0,2S12**

Article number **6705099019**

#### Wiring Diagram



#### Characteristic



### Identifying characteristics

#### Electrical data

Working range	S	$\pm 20^\circ$ (other working ranges upon request)
Mounting		vertical, cable down
Voltage output	U	0,5 ... 4,5 V
Resolution		$\leq 0,3^\circ$
Repeat accuracy	R	$\leq 0,4^\circ$
Non-linearity		$\leq 2^\circ$
Temperature drift		$\leq 1,5^\circ$ (-40 °C ... +80 °C)
Load impedance	$R_L$	$\geq 1 \text{ k}\Omega$
Filter time	t	500 ms
Operational voltage range	$U_B$	10 - 53 VDC
No-load supply current	$I_o$	$\leq 15 \text{ mA}$
False polarity protection		yes

#### Electromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3	10 V/m
Electrostatic discharge test	IEC 61000-4-2	4 kV
Electrical fast transient immunity test (Burst)	IEC 61000-4-4	2 kV, coupling clamp
Impulse voltage withstand ability (Surge)	IEC 61000-4-5	1000 V, 1,2/50 $\mu\text{s}$ @ $R_i = 42 \text{ Ohm}$
Radiated disturbance field strength	EN 55011	$\leq 40 \text{ dB } (\mu\text{V/m})$

#### Mechanical Data

Enclosure	58 x 64 x 36 mm; Aluminium, coated
Weight	$\approx 230 \text{ g}$
Ambient air temperature	-40 °C ... +80 °C (cable fixed mounted; $U_B = 24 \text{ V}$ )
Type of protection	IP67 (NEMA 4; only in fully locked position with its plugs)
Termination type	Cable 3 x 0,34mm <sup>2</sup> x 0,2m $\pm 5\%$ ; with plug connector M12x1
Shock	10-55 Hz; a = 1 mm
Vibration	30 g; $t_{\text{stoss}} = 11 \text{ ms}$

#### EU Conformity



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