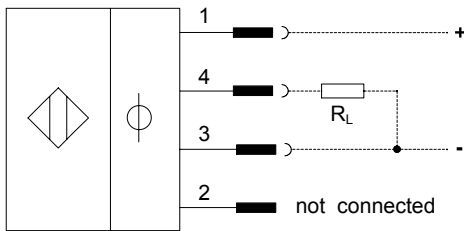


Series Q60

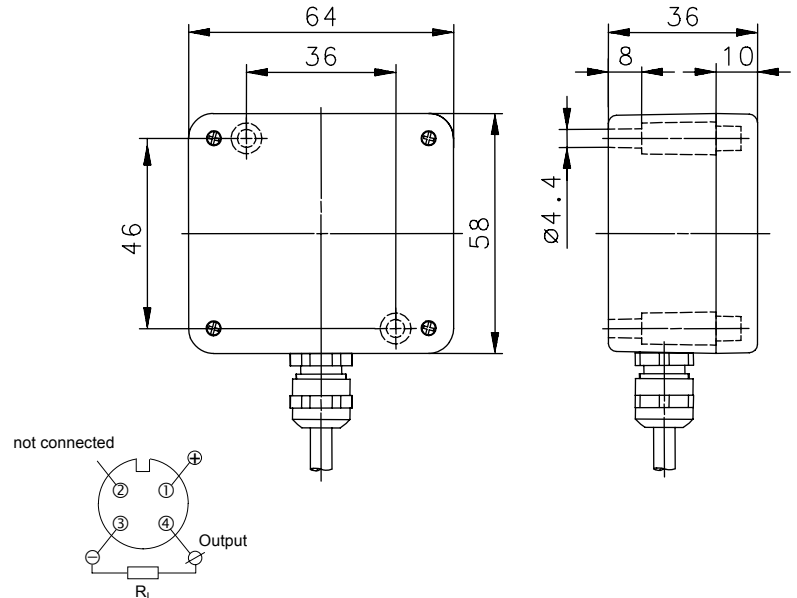
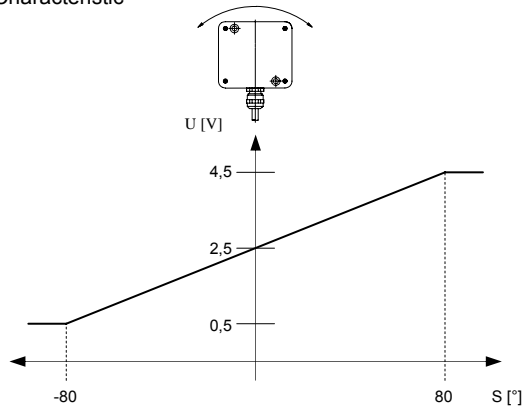
Description **KAW-Q60UA/160-0,2S12**

Article number **6705099017**

Wiring Diagram



Characteristic



Identifying characteristics

Electrical data

| | | |
|---------------------------|----------------|--|
| Working range | S | $\pm 80^\circ$ (other working ranges upon request) |
| Mounting | | vertical, cable down |
| Voltage output | U | 0,5 ... 4,5 V |
| Resolution | | $\leq 0,6^\circ$ |
| Repeat accuracy | R | $\leq 0,7^\circ$ |
| 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 μs @ R _i = 42 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 V) |
| Type of protection | IP67 (NEMA 4; only in fully locked position with its plugs) |
| Termination type | Cable 3 x 0,34mm ² x 0,2m $\pm 5\%$; with plug connector M12x1 |
| Shock | 10-55 Hz; a = 1 mm |
| Vibration | 30 g; t _{stoss} = 11 ms |

EU Conformity



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