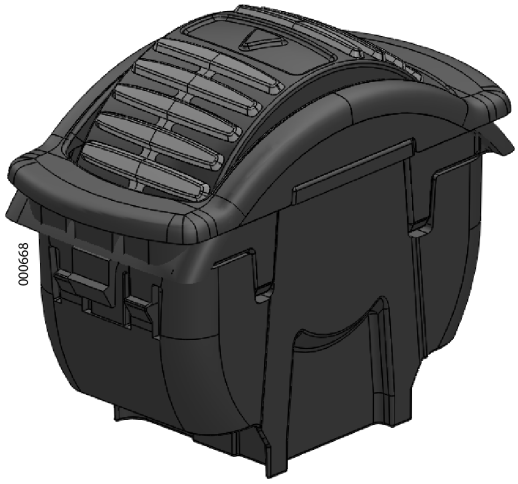
SVAB

Data sheet

Proportional roller HECR II



Description

The HECR II is a fi nger / thumb controlled dual proportional output spring-back roller used for proportional steering.

The HECR II uses hall eff ect technology and is constructed for small mounting dimensions.

The HECR II is fully backward compatible with the HECR I.

Features and benefits

- Constructed with high performing electrical linearity in mind - Allows stable calibration, enabling good fault monitoring without inadvertant faults being detected.
- Sturdy construction and good magnetic shielding - Long operating life and reduced risk of external influences.
- Programmable output range - Good compatibility.

Standards and compliance

COMPLIANCE	
RoHs	2011/65/EU
WEEE	2012/19/EU
Reach	

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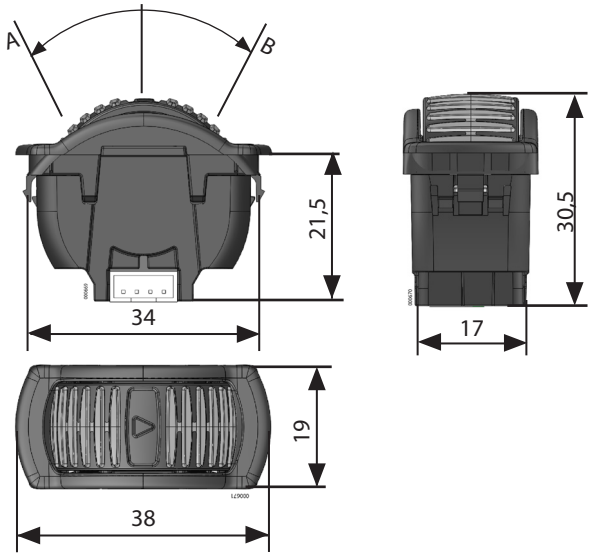
Technical data



MECHANICAL DATA

Weight	11 g
Material Housing	POM
Material Wheel	PA6
Color	Black
Roller mechanical angle	± 40°
Roller mechanical force	0.65 to 1.08 N
Operating life	> 5 million cycles
MTTFd	4715 yrs

ELECTRICAL DATA

Nominal supply voltage	5 Vdc
Operating voltage range	5±0.5 Vdc
Output	Dual analogue programmable outputs ratiometric to Vs. Please contact SVAB Hydraulik AB for required output.
Output voltage tolerance (at 5 Vdc Vs)	± 0.15 Vdc
Max load/output	5 mA (1kΩ)
Max current consumption (at max load)	25 mA
Sensor type	Hall-effect
Resolution	12-bit DAC

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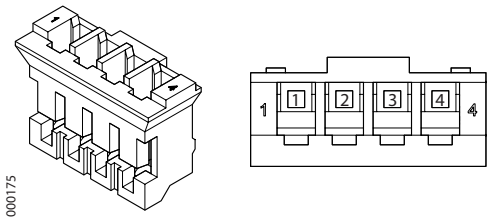
ENVIRONMENTAL DATA

Operation temperature	-40° to +90° C
Storage temperature	-40° to +90° C (100°C for 2 hrs)
Ingress protection rating	IP (test in progress) acc. to ISO20653 when mounted in panel.
Vibration	Test VII acc. to ISO16750-3
Shock	Free fall acc. to ISO16750-3
EMI/RFI rating	100 V/m acc. to ISO13766
ESD	±8 kV contact discharge ±15 kV air discharge acc. to ISO10605 mounted in panel

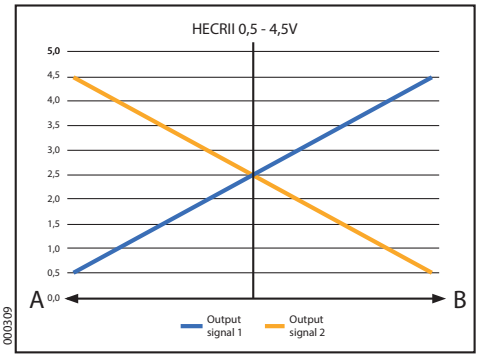
WIRING INFORMATION
Cvilux CI01-04S (AWG 24-28)



1	GND
2	Output signal 1
3	Output signal 2
4	+ 5V

Terminal finish Gold plating

OUTPUT CHARACTERISTICS



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