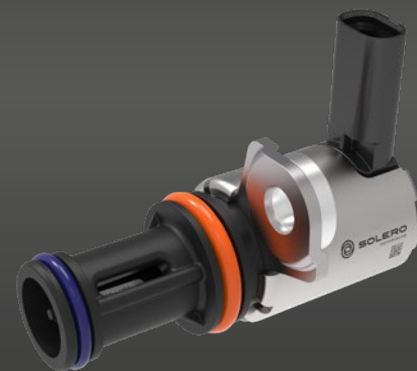


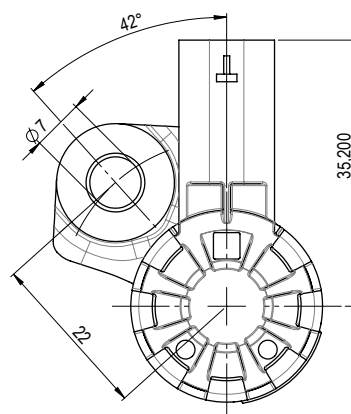
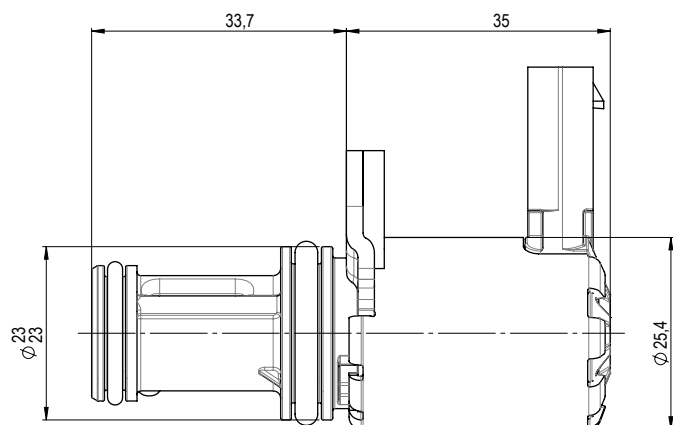
Thermal Management

2/2-Way Seat-Valve

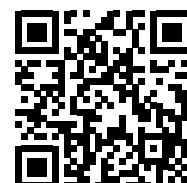
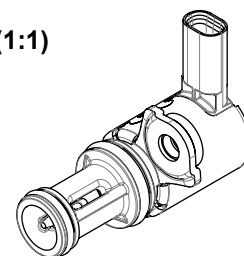
Data Sheet



Dimensions



(1:1)



Technical Data

Valve type	Normally open (NO), pressure balanced
Max. working pressure	40 l/min @ $\Delta p = 4$ bar
Burst pressure	20 bar
Flow	30 l/min @ $\Delta p = 2.2$ bar @ 20 °C (water)
Leakage	<0.1 l/min @ 4.5 bar rel (customizable)
Voltage controlled	9.8 – 16 V
Current/ DC	1.03 A / 0.79 A / 0.52 A @ -40 °C / 20 °C / 150 °C and 16 V, 100% duty cycle
Noise component	–
Resistance	15.41 Ω / 20.12 $\Omega \pm 6\%$ / 30.33 Ω @ -40 °C / 20 °C / 150 °C
Responstime on/off	–
Temperature range	-40 °C to +85 °C
Operating fluid	Water / ethanol (e.g., 1:1) Oil
Durability	Switching cycles = 2 Mio, more tbd
Protection class	>IP65
Dimension	Approx. L 75 mm / W 50 mm / H 26 mm (without connector)
Weight (component) Weight (copper)	$\approx <55$ g (target for series design), sample ≤ 75 g $\approx \leq 11$ g
Modularity	–

