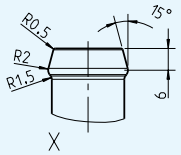
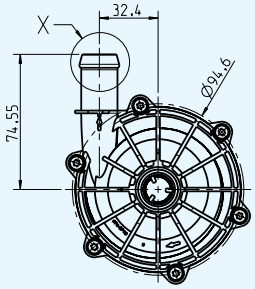
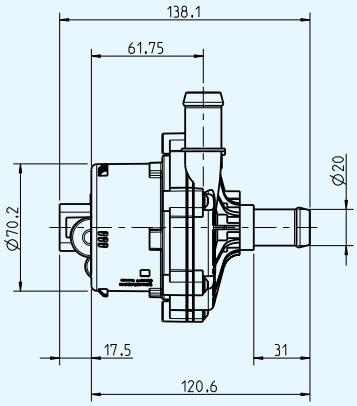
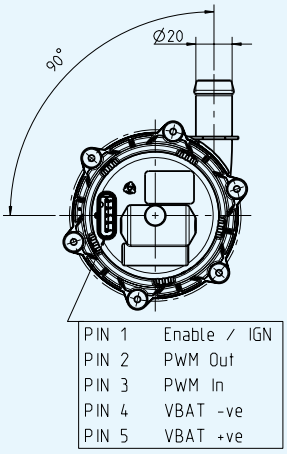
Bühler Motor





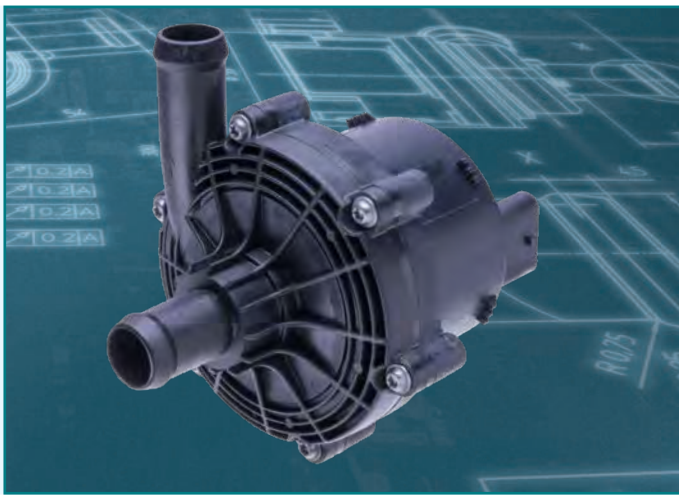




BLDC Water Pump
1.24.025.XXX

Characteristics*	Nenndaten*			
Rated voltage	Nennspannung	U	V	12
Feed pressure	Förderdruck	P_D	bar	0.65
Feed output	Fördermenge	V	l/h	1000
Rated current	Nennstrom	I_N	A	4.6
Overall efficiency	Wirkungsgrad	η	%	35
max. Constant current	max. Dauerstrom	I_{max}	A	6.6
max. Feed pressure	max. Förderdruck	P_{Dmax}	bar	0.95
max. Feed output	max. Fördermenge	V_{max}	l/h	1000

Features*	Kenndaten*			
Weight	Gewicht	G	g	628



Note: Available from 8/2018
Hinweis: Verfügbar ab 8/2018

Design	
Pump	Wet-rotor principle not self priming Intake fitting axial
Motor	Inner rotor design Overload protection Integrated RFI Protection against false polarity
Protection class	IP6K6K/IPX9K

Aufbau	
Pumpe	Nassläuferprinzip nicht selbstsaugend Ansaugstutzen axial
Motor	Innenläufer Überlastungsschutz integriert Entstörung integriert Verpolschutz
Schutzart	IP6K6K/IPX9K

Operational conditions*	Einsatzbedingungen*			
Temperature range	Temperaturbereich	T	°C	-40 - +125
Medium temperature	Mediumtemperatur	TM	°C	-40 - +125
Presure range absolute – constant operations	Druckbereich absolut - Dauerbetrieb	P	bar	0.1 - 3.0

* at 25 °C

* bezogen auf 25 °C

Application Examples / Applikationsbeispiele

- Automotive
- Miscellaneous Industrial / verschiedene Industriezweige