

Datasheet IO-Link Servo CTR-060



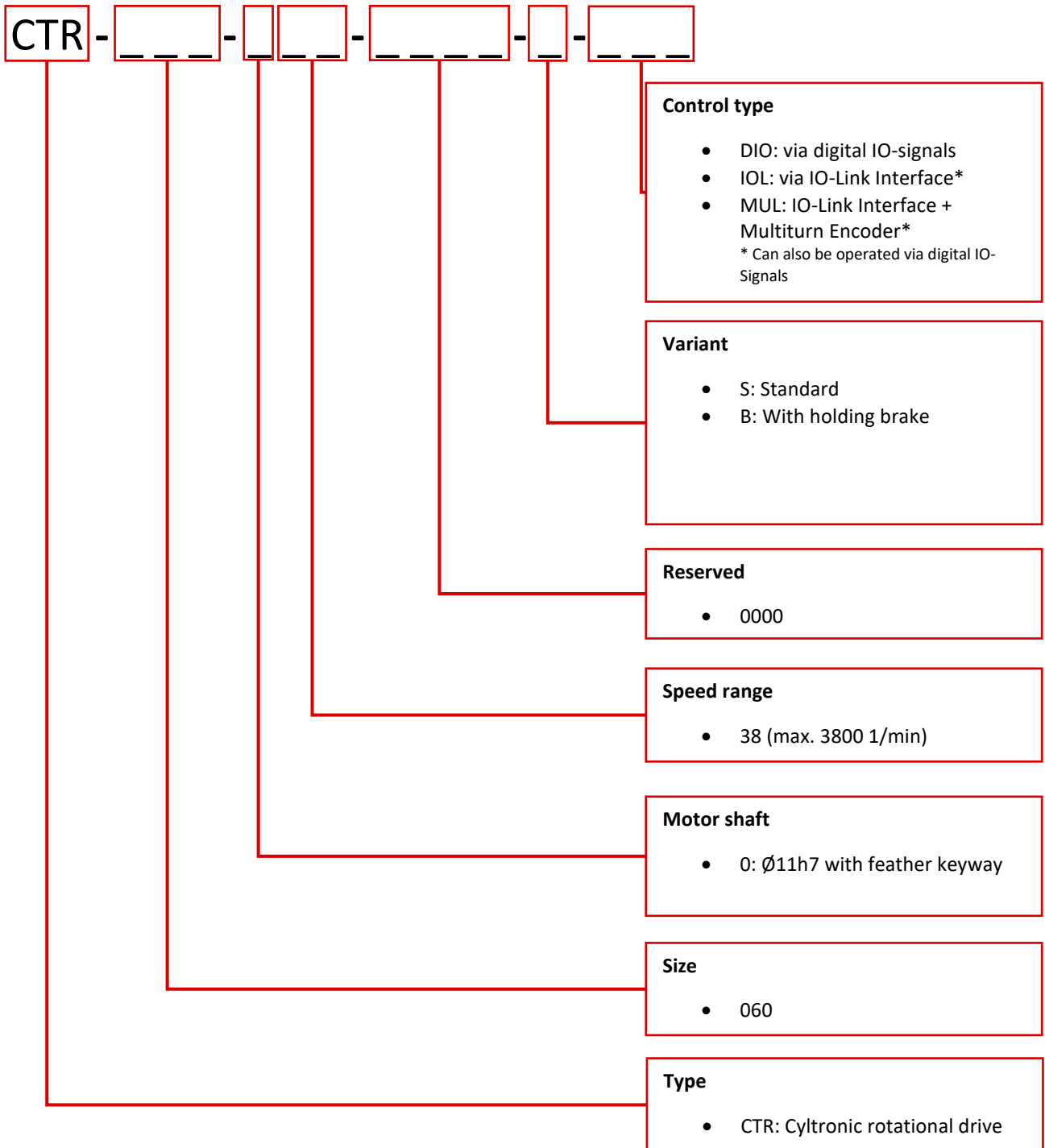
Control type	-DIO	-IOL	-MUL
Control / Parameterization Setting force & speed Control functions	Digital I/O <ul style="list-style-type: none"> Movements controlled by IO signal Teach-in distances (teach run) Teached-in distances can be called up Control panel <ul style="list-style-type: none"> Speed adjustable for both directions via potentiometer Maximum force adjustable via potentiometer 	IO-Link <ul style="list-style-type: none"> Singleturn-Encoder Target position setting in real time Adjustable speed, force and acceleration settings in real time Real-time feedback of position, speed and force Pre-programmable travel sets Press-in mode Extensive diagnostic options Many more features 	IO-Link <ul style="list-style-type: none"> Multiturn-Encoder (keeps track of movements when powered off) Target position setting in real time Adjustable speed, force and acceleration settings in real time Real-time feedback of position, speed and force Pre-programmable travel sets Press-fit mode Extensive diagnostic options Many more features
Speed range			-038
Max. Torque (Peak)	[Nm]		1.0
Max. Speed	[r/min]		
In 24V operation			1900
In 48V operation			3800
Nominal torque (continuous operation)	[Nm]		0.37
Nomial speed @ nom. torque	[r/min]		
In 24V operation			1300
In 48V operation			2600
Max. Acceleration	[r/s ²]		2
Positioning precision	[°]	+/- 1.0 (-DIO,-IOL)	+/-0.5 (-MUL)
Mounting position			any
Ambient temperature	[°C]		0...+40
Ambient temperature note			At ambient temperatures above 25° C a reduction in performance must be expected.
Storage temperature	[°C]		-20...+60
Protection class			IP40 IP65 / IP67 on inquiry
Relative humidity	[%]		0...90 (non-condensing)
Motor type			Synchronous-Servomotor
Rotor position encoder			Absolute, Singleturn 12bit (-DIO/-IOL) Absolute, Singleturn 16bit, Multiturn 22bit (-MUL)
CE mark (see Declaration of Conformity)			According to EU-RoHS-RL According to EU-EMC-Directive

Connectors, signals, control		
Status display		3x LED
Power interface, connection type		Plug 4-pole, M12x1, T-coded according to EN 61076-2-111
Rated voltage power circuit	[V DC]	24 - 48
Max. current consumption	[A]	7 (continuous load operation)
	[A]	12 (consumption peak load operation)
Signal interface, connection type		Plug 8-pole, M12x1, A-coded according to EN 61076-2-101
Operating range signal input	[V DC]	24
Permissible voltage variations	%	+/- 15
Max. current consumption logic	[mA]	50
Max. current digital signal outputs	[mA]	100 / output
Number of digital signal inputs	3	extend, retract, teach
Number of digital signal outputs	3	extended, retracted, ready
Features signal input		galvanically isolated from power circuit not galvanically isolated between signals
Max. cable length	[m]	20, for inputs and outputs
Switching logic outputs		push-pull
Switching logic inputs		positive switching
Reference		External fixed stop (-DIO) External fixed stop / manually by IO-Link (-IOL) Optional: manually by IO-Link (-MUL)

Weight (+/- 10%)		
Standard, without holding brake	[g]	1080
With holding brake	[g]	In development

Materials	
Housing, cover	Aluminium anodized
Motor shaft	Steel C45+C
Seals	NBR / EPDM
Screws	Steel Galvanized
Covers knobs	Stainless steel
Connector fittings	Zinc nickel plated
Material reference	RoHS compliant (-DIO, -IOL, -MUL) REACH: Not affected by REACH (-DIO, -IOL) contains > 0,1% of: D4 556-67-2 (-MUL)

Configuration key



Example: CTR-060-038-0000-S-IOL

Dimensions

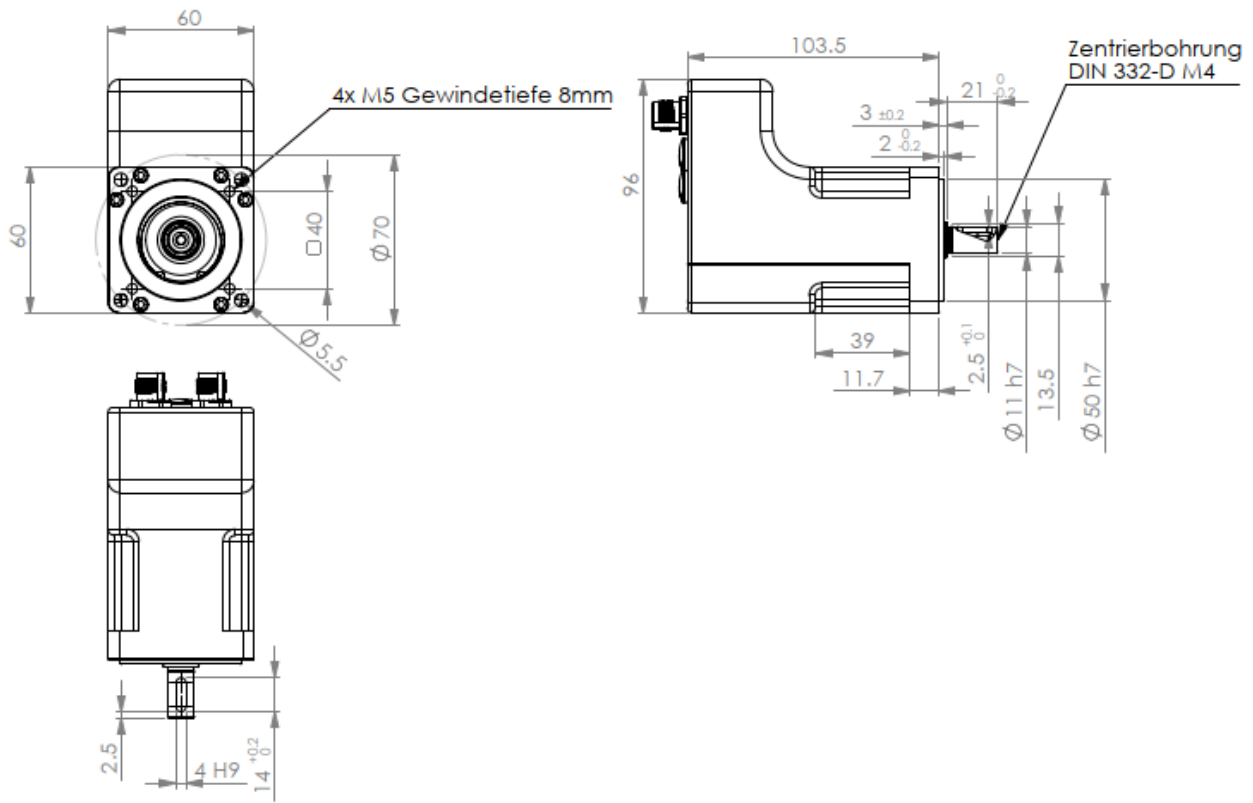


ABBILDUNG 1: DIMENSIONS

Preliminary