

Datasheet

High-performance drive technology for precise motion control and high process reliability.
The **SERVO.ONE** positioning system is suitable for all applications in machine and plant engineering.

Merkmale im Überblick

- Automatic axis drive and positioning in a single compact unit with **torque up to 30 Nm**
- Ultra-compact design; direct mounting on hollow shaft **Ø 20 CH6** or **Ø 25 CH8 with recessed keyway for Ø 25**
- **Color LED display** with backlighting for status and diagnostic indicators
- Backlash-free mechanics and precise, repeatable position control
- Housing made of solid anodized aluminum, hollow shaft made of **AISI 303 stainless steel**
- Axis position is maintained even during a power failure
- Suitable for various machines and systems, particularly in the packaging industry for format changes as well as in assembly and handling technology



Interfaces:

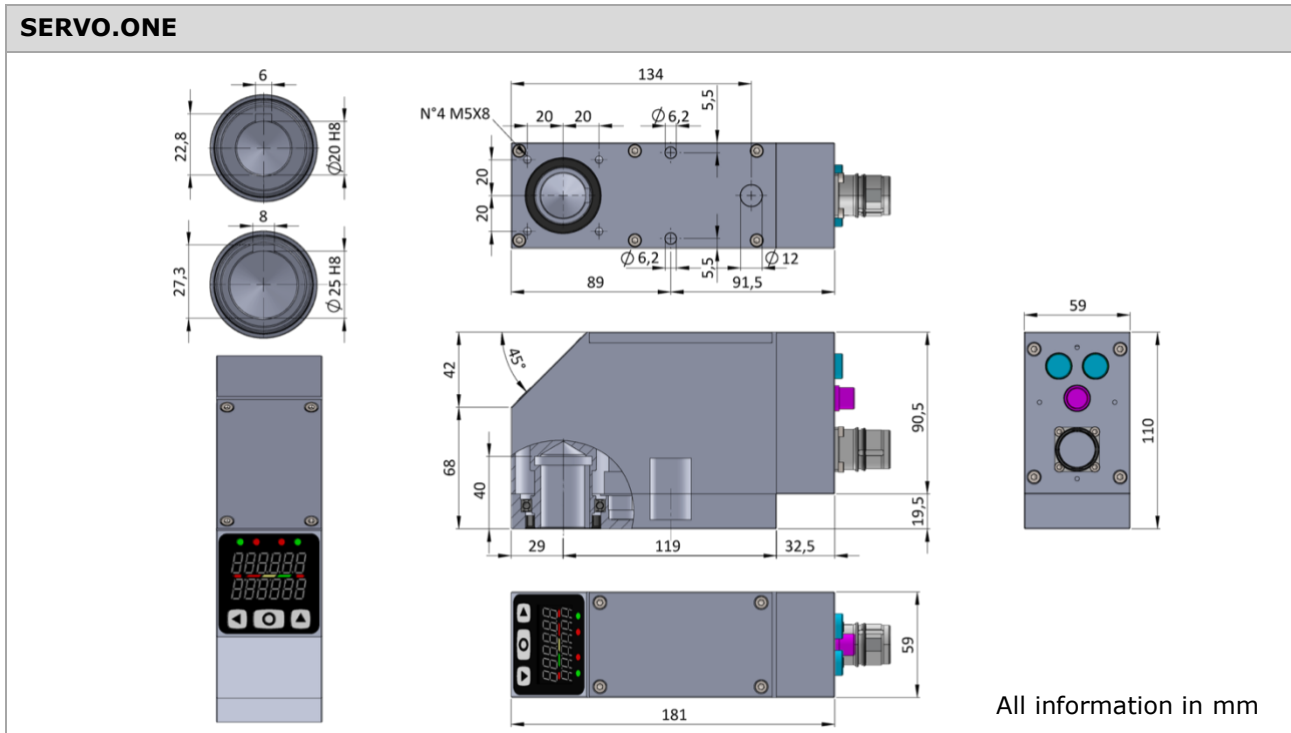


Technical specifications

Conversion	R 1/36 (G1)		
Idle speed	380 min ⁻¹		
Torque	4 Nm	6 Nm	8 Nm
Speed	330 min ⁻¹	290 min ⁻¹	250 min ⁻¹
Current consumption	12 A	18 A	22 A
Duty cycle	50%	20%	10%
Conversion	R 1/115 (G2)		
Idle speed	120 min ⁻¹		
Torque	15 Nm	25 Nm	30 Nm
Speed	95 min ⁻¹	80 min ⁻¹	70 min ⁻¹
Current consumption	12 A	18 A	22 A
Duty cycle	50%	20%	10%
Power supply	24 VDC 20%, max. current consumption 25 A		
Absolute position encoder	Magnetic encoder 1000 pulses/rev (keyed on the output shaft)		
Buffer battery for encoder	3.6 V ½ size AA, lifetime 6-8 years (depending on use conditions)		
Power supply connector	1x connector (plug) M23		
Ethernet port connector	2x connector (socket) M12, 4-pole, D-coded		
Protection class	IP54 (standard), IP66 (available as an option upon request)		
Operating temperature	0 °C to +60 °C		
Relative humidity	10 to 85%		
Electromagnetic compatibility (EMC)	2014/30/UE		
RoHs	2011/65/UE		

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Dimensions



Ordering example

Typ	SERVO.ONE	F25	G2	PROFINET
Hollow shafts Ø				
F20	= 20 mm			
F25	= 25 mm			
Conversion				
G1	= 1/36			
G2	= 1/115			
Interfaces				
Profinet	= Profinet			
EthernetIP	= EthernetIP			
EtherCAT	= EtherCAT			
POWERLINK	= POWERLINK			
Protection class				
IP54	= Standard			
IP66	= IP66 (available as an option upon request)			

Manufacturer: **FIAMA**
since 1912

The manufacturer reserves the right to make changes to the products that it deems necessary for their improvement without prior notice.