

Description

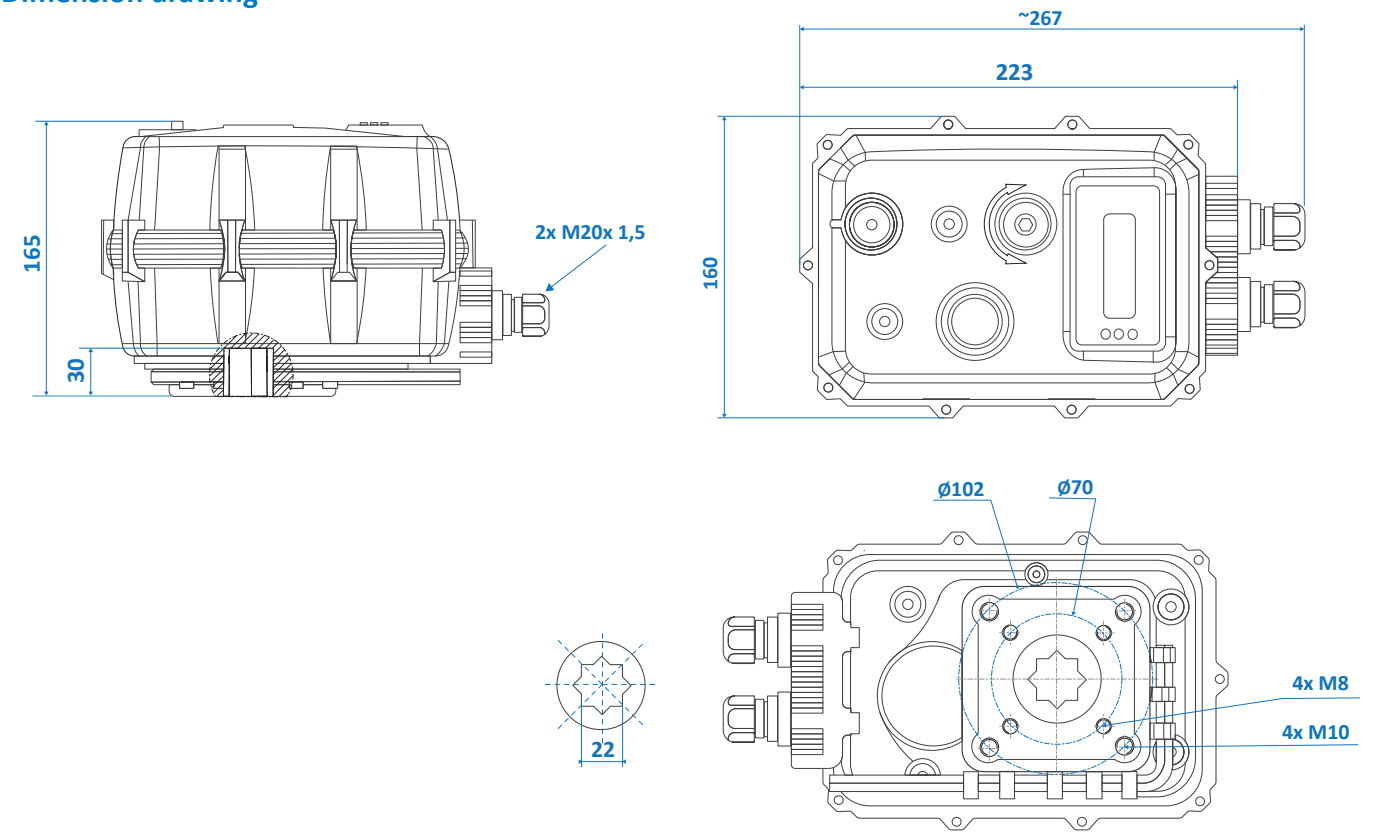
- » 200 Nm torque
- » Smart Positioner
- » 1.3" OLED display
- » User friendly push button control
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Brushless high performance motor
- » Overload protection
- » Manual operation with allen key
- » Visual position indicator
- » Integrated heating resistor 3 W



Technical data

Electrical data	Rated voltage	230V AC/DC	24V AC/DC
	Voltage range	95-265V AC / 100-300V DC	22-26V AC/22-30V DC
	Power consumption	max. 50 W	
	Peak current	0,22A @5ms @AC230V	2,0 @5ms @DC24V
	Fuse	2A	5A
Functional data	Rated torque	200 Nm	
	Nominal angle	90° ±2°	
	Max. angle	330° ±5°	
	Manual override	Currentless with allen key	
	Operating time (90°)	approx. 25 seconds	
	Operating mode	S3-75% (AC) S3-85% (DC) - loading ≤85% rated torque according to IEC60034-1-2017	
	Position indicator	Mechanical / Screen	
	Electricity safety level	Class I	Class III
	Protection class	IP67	
	Insulation resistance	100MΩ / 1500V DC	100MΩ / 500V DC
	Withstand voltage	1500V AC / 1 min	500V AC / 1 min
Operating conditions	Mounting position	Any mounting position	
	Temperature range	-20°C ... +60°C	
	Storage temperature	-40°C ... +80°C	
	Humidity	5 ... 95%, non-condensing	
	Shock resistance	≤5g	
	Vibration	10 ... 55 Hz/ 1,5mm double amplitude	

Dimension drawing



Ø Stem connection	Depth stem connection	ISO 5211	Weight
22 mm	30 mm	F07/F10	6kg

Materials

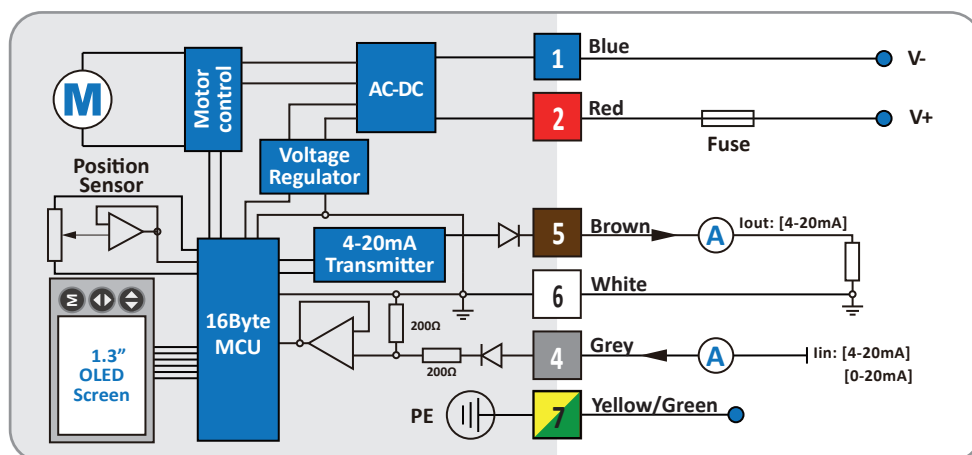
	1	Body	Heatproof ABS	6	Wrench fixation	Heatproof ABS
	2	Screws	304	7	Hexagon wrench	Tool steel
	3	Manual shaft	304	8	Waterproof cable connector	Polyamide
	4	Oil seal	NBR	9	Lid seal	NBR
	5	Label	PVC	10	Terminal cover	Heatproof ABS

Type code

ESA	TCR	-	20	T	.	0710	S	22	.	H	.	01
Housing Variant										Options		
Size/ Nominal torque										00: Connection via terminal strip		
Version										01: with attached plug and mating plug for soldering		
Special function										02-xm: with attached cable end with length „x“ in meters		
ISO interfaces										Supply voltage		
Stem connection										L: 20 ... 26V AC / 22 ... 30V DC		
Stem connection dimension										H: 95 ... 265V AC / 100 ... 300V DC		

Electric connection

Wiring diagram 4-20mA/0-20mA



Connector pin assignment

