

Description

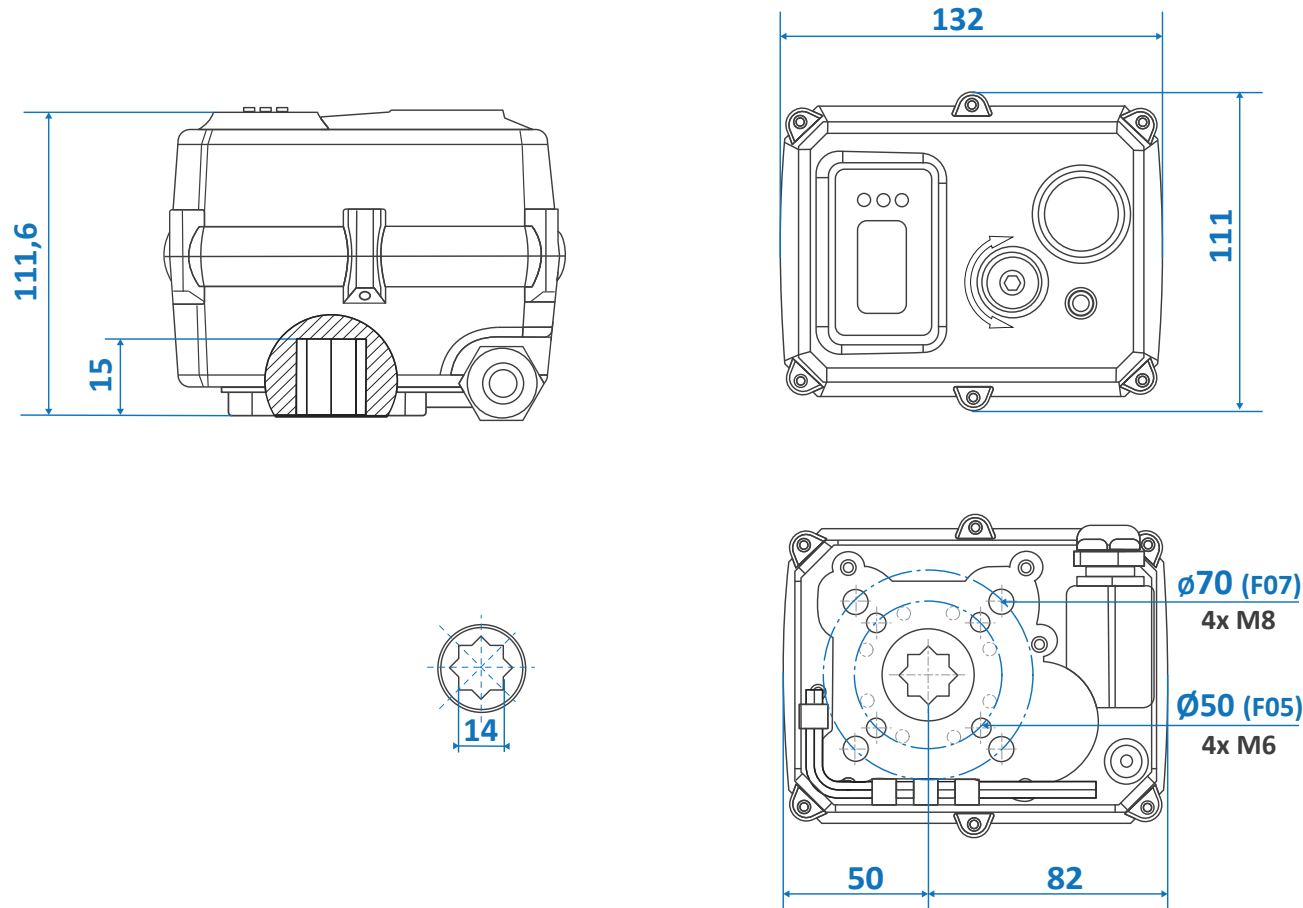
- » 50 Nm torque
- » Smart Positioner (High-Speed Version)
- » 1.3" OLED display
- » User friendly push button control
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Brushless high performance motor
- » Overload protection
- » Visual position indicator
- » Integrated heating resistor 3 W
- » End position feedback open/close



Technical data

Electrical data	Rated voltage	230V AC/DC	24V AC/DC
	Voltage range	95-265V AC / 100-300V DC	20-26V AC / 22-30V DC
	Power consumption	max. 40 W	
	Peak current	0,18A @5ms @AC230V	1,67A @5ms @DC24V
	Fuse	1A	4A
Functional data	Rated torque	50 Nm	
	Nominal angle	90° ±2°	
	Max. angle	330° ±5°	
	Manual override	Currentless with allen key	
	Operating time (90°)	approx. 5 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 / 1500VDC	100MΩ / 500VDC
	Withstand voltage	1500VAC / 1 min	500VAC / 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/ 1,5 mm double amplitude	

Dimension drawing



Ø Stem connection	Depth stem connection	ISO 5211	Weight
14 mm	15 mm	F05/F07	1,8 kg

Materials

	<table><tr><td>1</td><td>Body</td><td>Heatproof ABS</td></tr><tr><td>2</td><td>Screws</td><td>304</td></tr><tr><td>3</td><td>Manual shaft</td><td>304</td></tr><tr><td>4</td><td>Oil seal</td><td>NBR</td></tr><tr><td>5</td><td>Label</td><td>PVC</td></tr></table>	1	Body	Heatproof ABS	2	Screws	304	3	Manual shaft	304	4	Oil seal	NBR	5	Label	PVC	<table><tr><td>6</td><td>Wrench fixation</td><td>Heatproof ABS</td></tr><tr><td>7</td><td>Hexagon wrench</td><td>Tool steel</td></tr><tr><td>8</td><td>Waterproof cable connector</td><td>Polyamide</td></tr><tr><td>9</td><td>Lid seal</td><td>NBR</td></tr></table>	6	Wrench fixation	Heatproof ABS	7	Hexagon wrench	Tool steel	8	Waterproof cable connector	Polyamide	9	Lid seal	NBR
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Type code

ESA	TCR	05	T	H	0507	S	14	H	01
Housing Variant		Size/ Nominal torque		Version		Special function		ISO interfaces	
Stem connection		Stem connection dimension							

Options

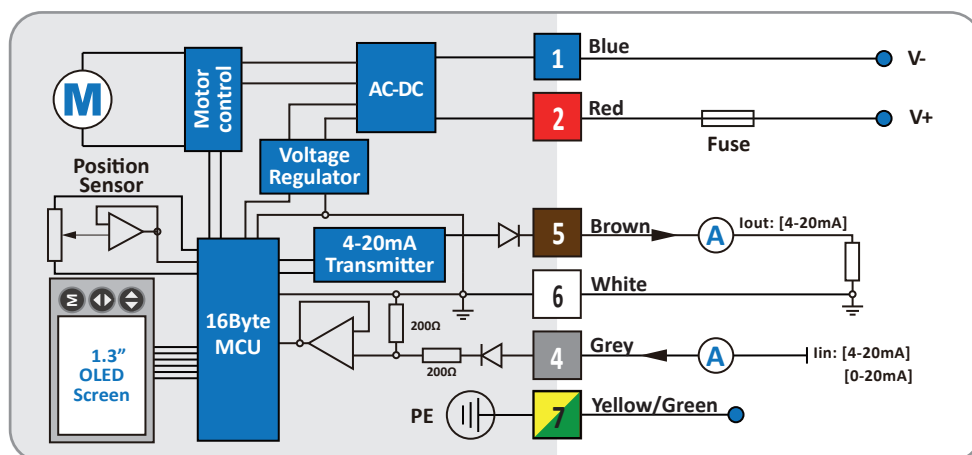
00:	Connection via terminal strip
01:	with attached plug and mating plug for soldering
02-xm:	with attached cable end with length „x“ in meters

Supply voltage

L:	20 ... 26V AC / 22 ... 30V DC
H:	95 ... 265V AC / 100 ... 300V DC

Electric connection

Wiring diagram 4-20mA/0-20mA



Connector pin assignment

