

Description

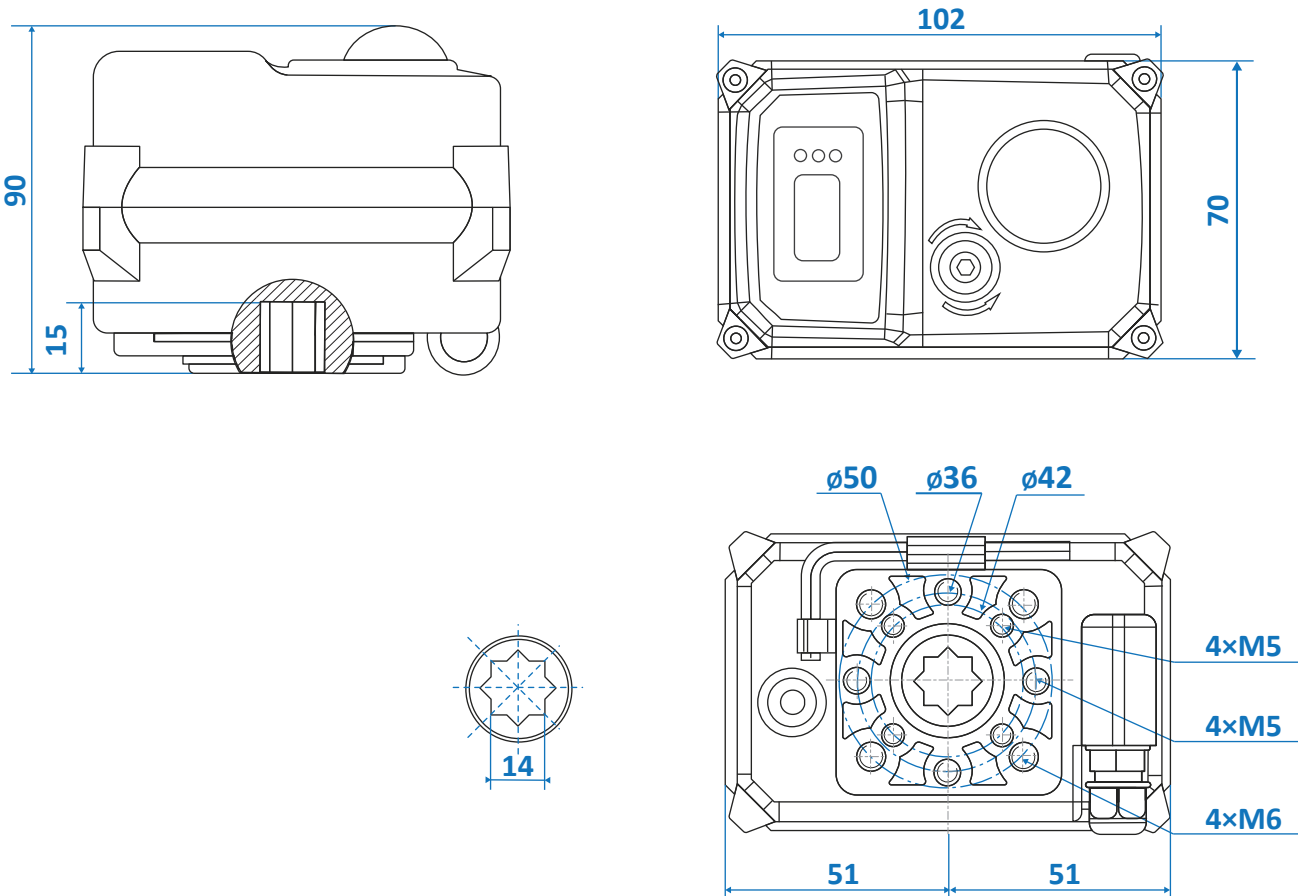
- » 20 Nm torque
- » Open/close smart function
- » 1.3" OLED display
- » User friendly push button control
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Brushless high performance motor
- » Overload protection
- » Visual position indicator
- » Integrated heating resistor 3 W
- » End position feedback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



Technical Data

Electrical data	Rated voltage	230V AC/DC	24V AC/DC
	Voltage range	95-265V AC / 100-300V DC	18-26V AC / 22-30V DC
	Power consumption	max. 15 W	
	Peak current	0,08A @5ms @AC230V	0,75A @5ms @DC24V
	Fuse	1A	2A
Functional data	Rated torque	20 Nm	
	Nominal angle	90° ±2°	
	Max. angle	330° ±5°	
	Manual override	Currentless with allen key	
	Operating time (90°)	approx. 10 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° ... +60°C	
	Storage temperature	-40° ... +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	F03/F05 F04 - 45° offset	0,62kg

Materials

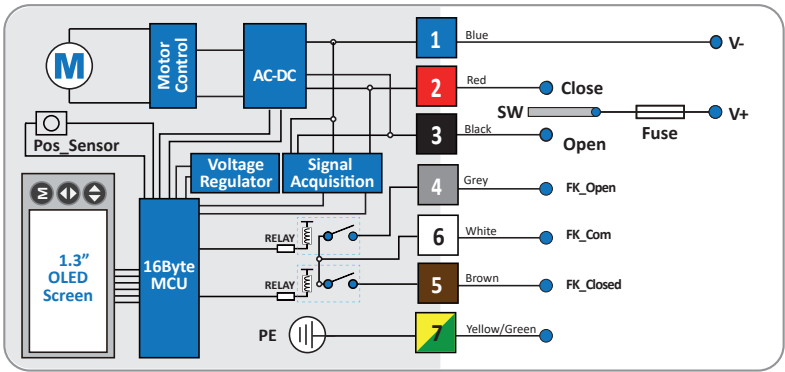
	1	Body	Heatproof ABS	6	Wrench fixation	Heatproof ABS
	2	Screws	304	7	Hexagon wrench	Tool steel
	3	Manual shaft	304	8	Waterproof cable connector	Polyamide
	4	Oil seal	NBR	9	Lid seal	NBR
	5	Label	PVC			

Type code

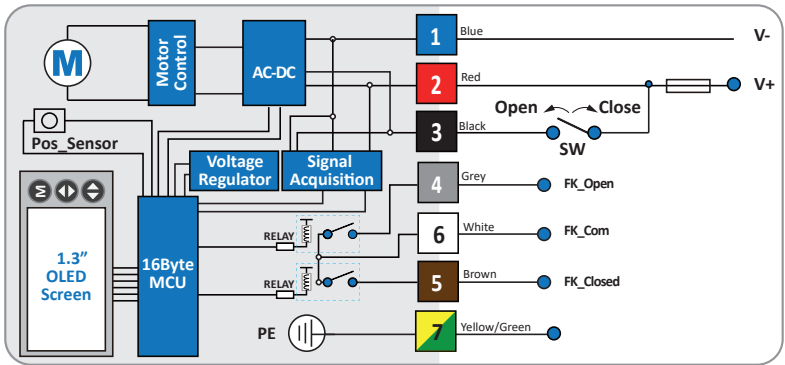
ESA	TCR	02	C		030405	S	14	H	01
Housing Variant		Size/ Nominal torque		Version		Special function		ISO interfaces	
Stem connection		Stem connection dimension		Options		Supply voltage			
				00:		Connection via terminal strip			
				01:		with attached plug and mating plug for soldering			
				02-xm:		with attached cable end with length „x“ in meters			
				L:		20 ... 26V AC / 22 ... 30V DC			
				H:		95 ... 265V AC / 100 ... 300V DC			

Electric connection

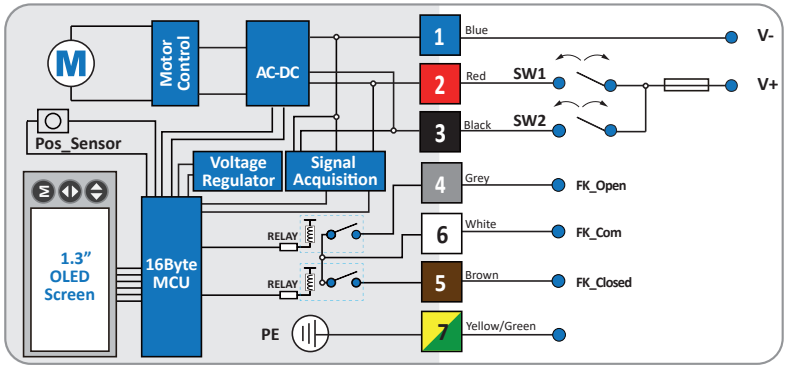
Connection variant open/closed 3-point



Connection variant open/closed 2-point



Connection variant 3-Positions



Connector pin assignment

