

Description

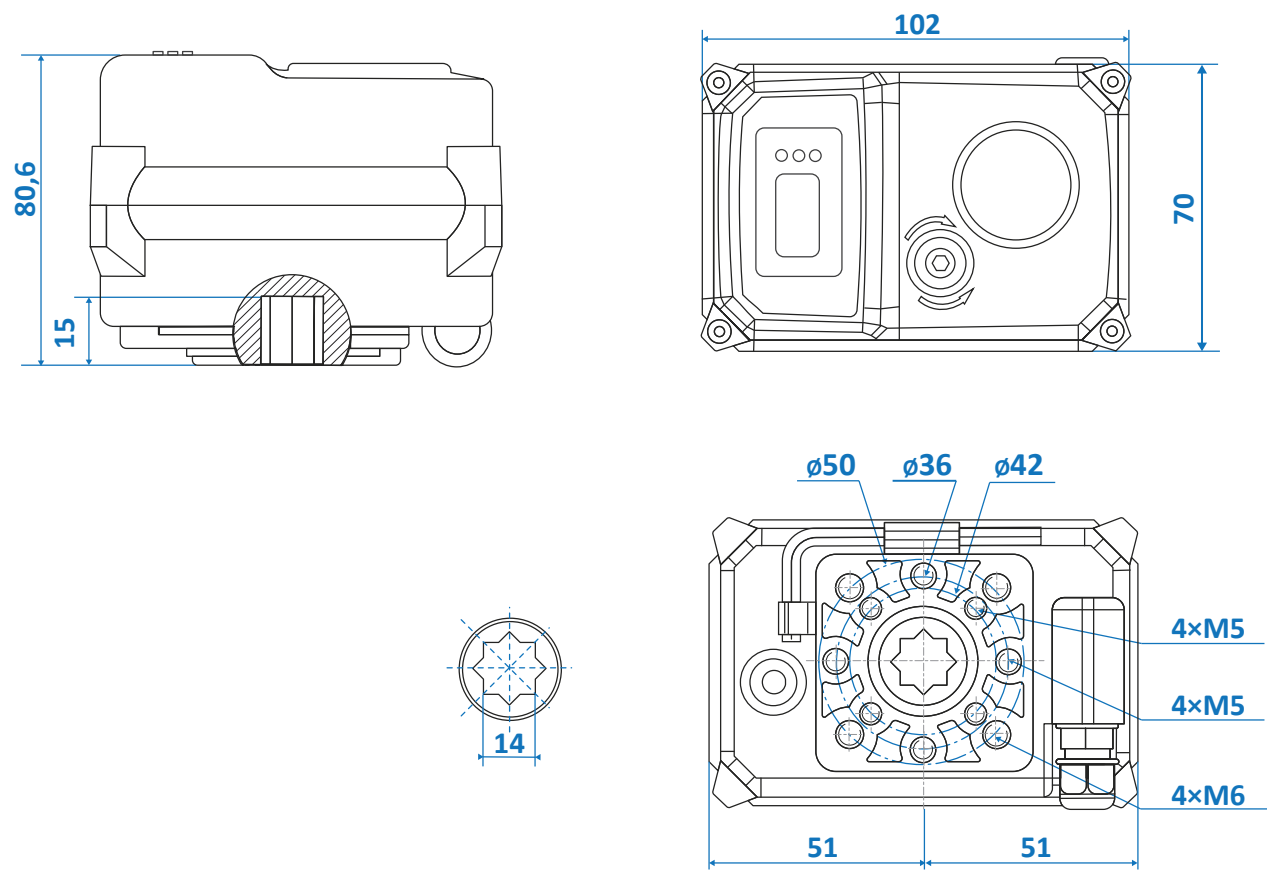
- » 20 Nm torque
- » Smart Positioner (FAILSAFE Version)
- » 1.3" OLED display
- » User friendly push button control
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Brushless high performance motor
- » Overload protection
- » Manual operation with allen key
- » Visual position indicator
- » Integrated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



Technical data

Electrical data	Rated voltage	230V AC/DC	24V AC/DC
	Voltage range	95-265V AC / 100-300V DC	20-26V AC / 22-30V DC
	Power consumption	max. 36 W	
	Peak current	0,16A @5ms @AC230V	1,5A @5ms @DC24V
	Fuse	1A	4A
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/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/ 1,5mm double amplitude	

Dimension drawing



Ø Stem connection	Depth stem connection	ISO 5211	Weight
14 mm	15 mm	F03/F05 F04 - 45° offset	0,62 kg

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 T -KT . 030405 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

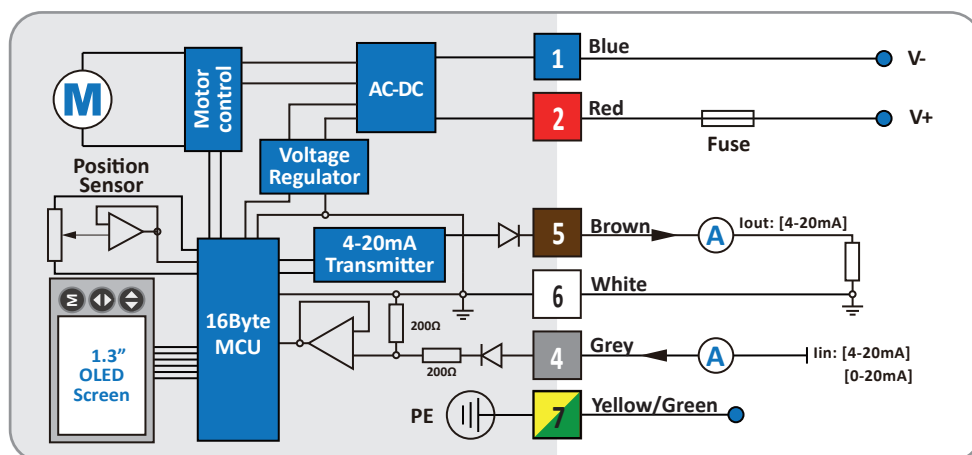
Supply voltage

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

