

Description

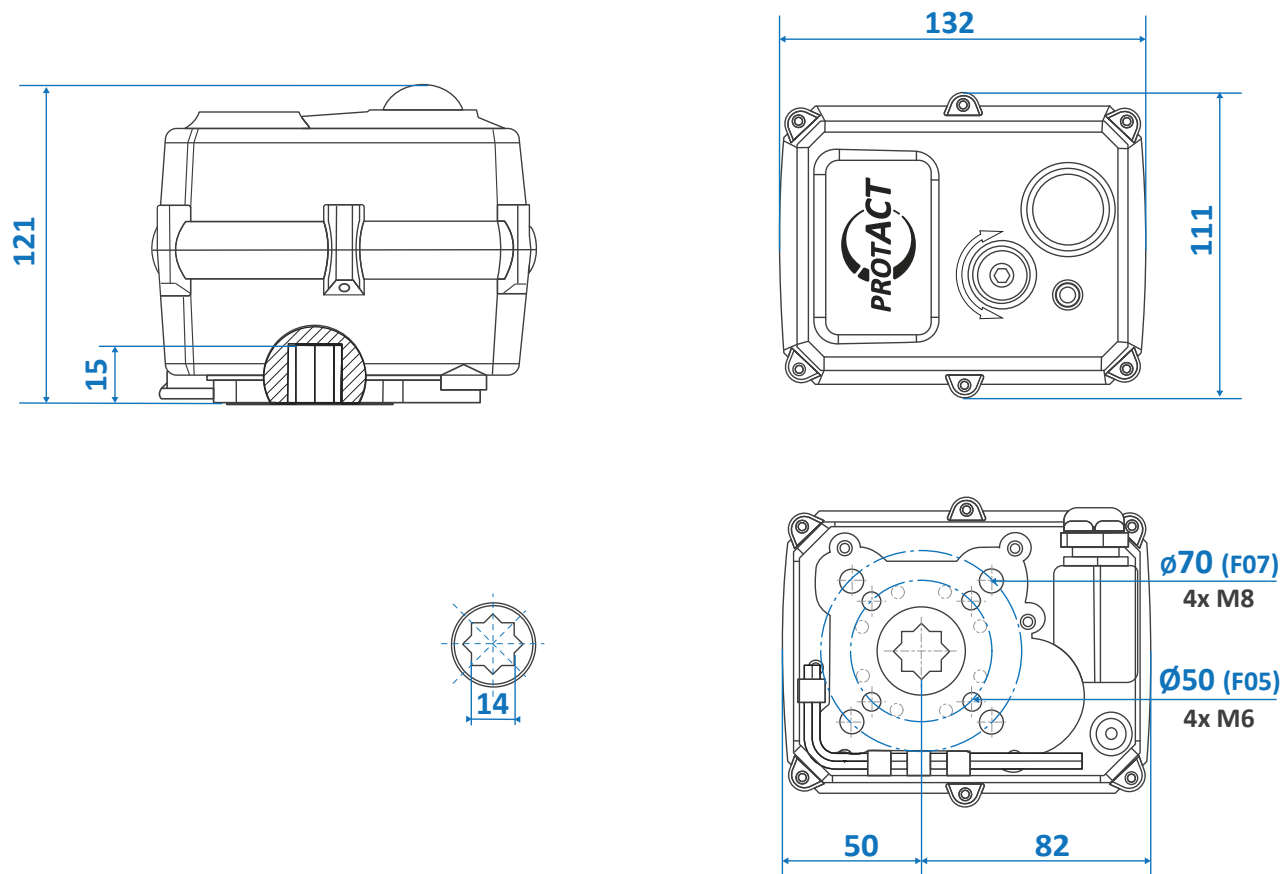
- » 50 Nm torque
- » Open/Close function
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Two and more actuators can be used in parallel
- » Brushless high performance motor
- » Overload protection
- » Visual position indicator
- » Integrated heating resistor 3 W
- » End position feedback open/close



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. 25 W	
	Peak current	0,11A@5ms @AC230V	1,0A@5ms @DC24V
	Fuse	1A	2A
Functional data	Rated torque	50 Nm	
	Nominal angle	90 +/-2°	
	Max. angle	330° ±5°	
	Manual override	Currentless with allen key	
	Operating time (90°)	approx. 12 seconds	
	Operating mode	S3-75% (AC) S3-85% (DC) - loading ≤85% rated torque according to IEC60034-1-2017	
	Position indicator	Mechanical	
	Electricity safety level	Class I	Class III
	Protection class	IP67	
	Insulation resistance	100MΩ / 1500V DC	100MΩ / 500V DC
Operating conditions	Withstand voltage	1500VAC / 1 min	500VAC / 1 min
	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	

Dimensions



Ø Stem connection	Depth stem connection	ISO 5211	Weight
14 mm	15 mm	F05/F07	1,8 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 - 05 N . 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

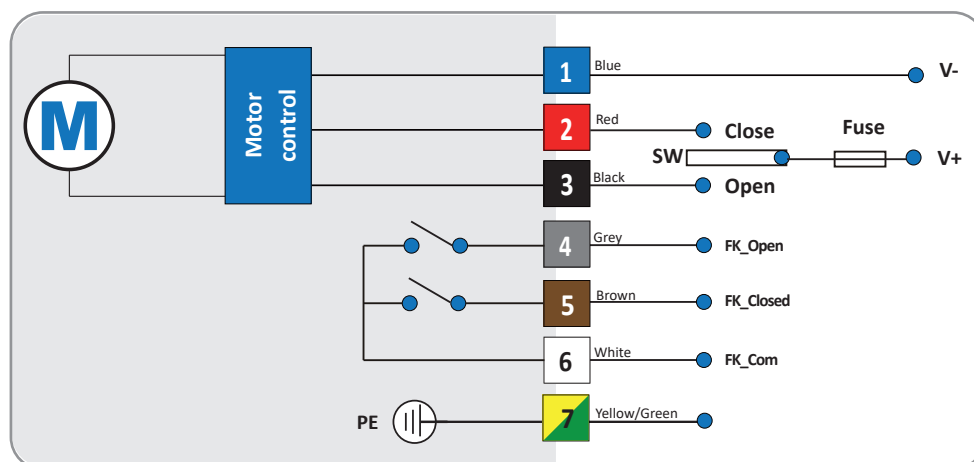
Supply voltage

L: 20 ... 26V AC / 22 ... 30V DC

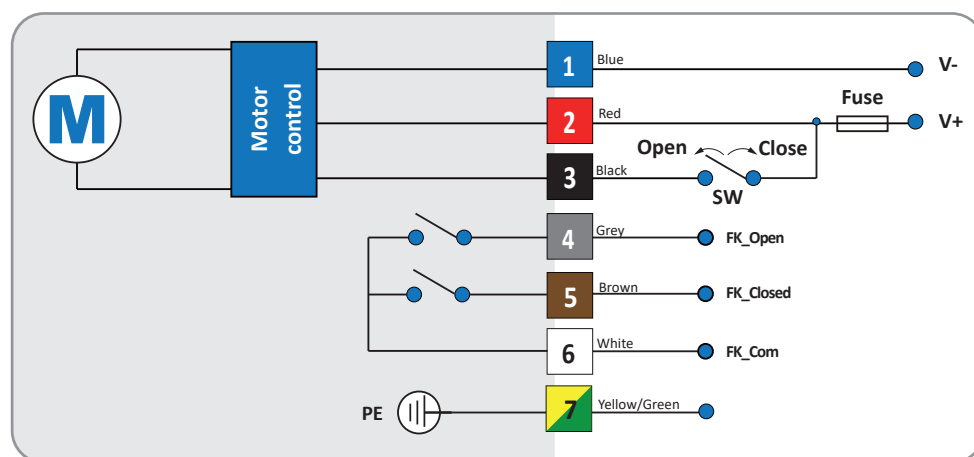
H: 95 ... 265V AC / 100 ... 300V DC

Electric connection

Connection variant open/closed 3-point



Connection variant open/closed 2-point



Connector pin assignment

