

Description

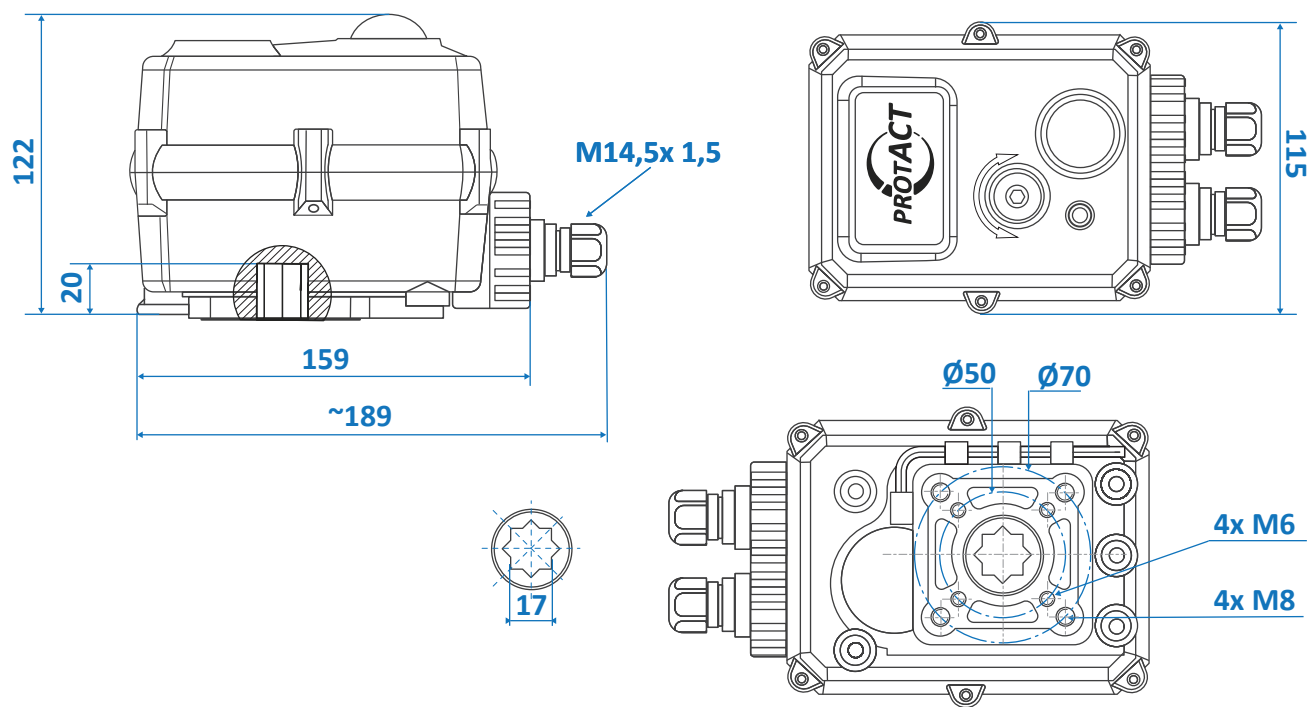
- » 80 Nm torque
- » Open/Close function
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Two and more actuators can be used in parallel
- » Brushless high performance motor
- » Overload protection
- » Visual position indicator
- » Integrated heating resistor 3 W
- » End position feedback open/close



Technical data

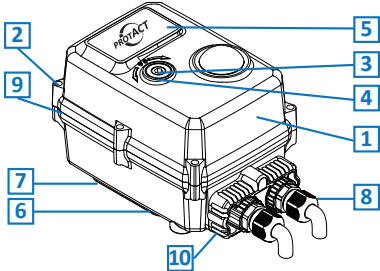
Electrical data	Rated voltage	230V AC/DC	24V AC/DC
	Voltage range	95-265V AC / 100-300V DC	20-26V AC / 22-30V DC
	Power consumption	max. 60 W	
	Peak current	0,27A@5ms @AC230V	2,5A@5ms @DC24V
	Fuse	1A	8A
Functional data	Rated torque	80 Nm	
	Nominal angle	90° ±2°	
	Max. angle	330° ±5°	
	Manual override	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	
	Electricity safety level	Class I	Class III
	Protection class	IP67	
	Insulation resistance	100MΩ / 1500V DC	100MΩ / 500V DC
Operating conditions	Withstand voltage	1500V AC / 1 min	500V AC / 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
17 mm	20 mm	F05/F07	2,2 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	10	Terminal cover	Heatproof ABS

Type code

	ESA	.	TCR	-	08		N		.	0507		S	17	.	H	.	01	
Housing Variant																		
Size/ Nominal torque																		
Version																		
Special function																		
ISO interfaces																		
Stem connection																		
Stem connection dimension																		

Options

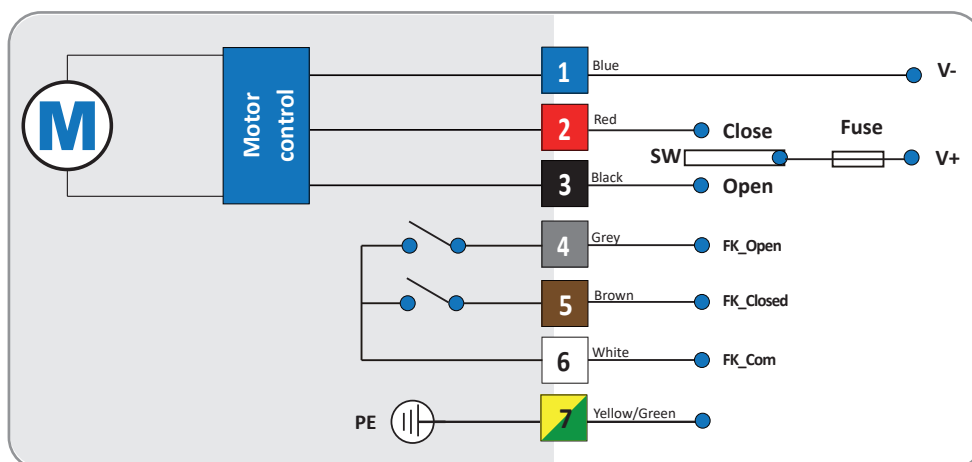
- 00: Connection via terminal strip
01: with attached plug and mating plug for soldering
02-xm: with attached cable end with length „x“ in meters

Supply voltage

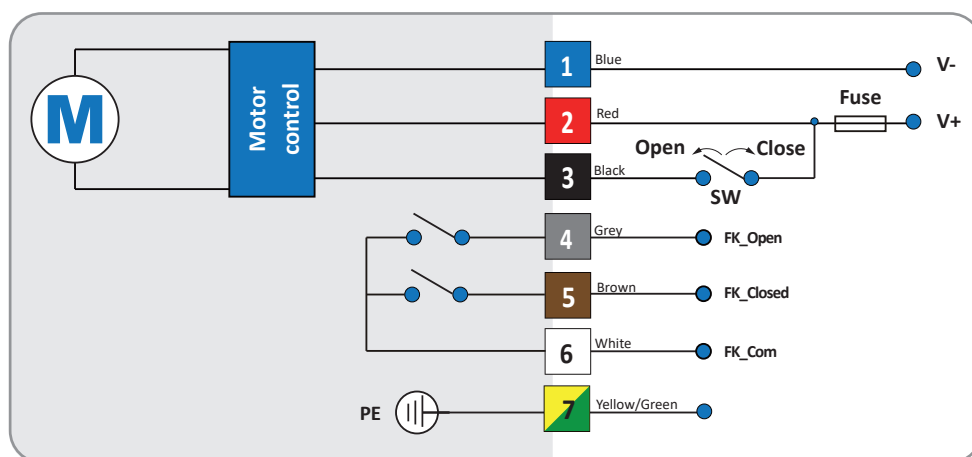
- L: 20 ... 26V AC / 22 ... 30V DC
H: 95 ... 265V AC / 100 ... 300V DC

Electric connection

Connection variant open/closed 3-point



Connection variant open/closed 2-point



Connector pin assignment

