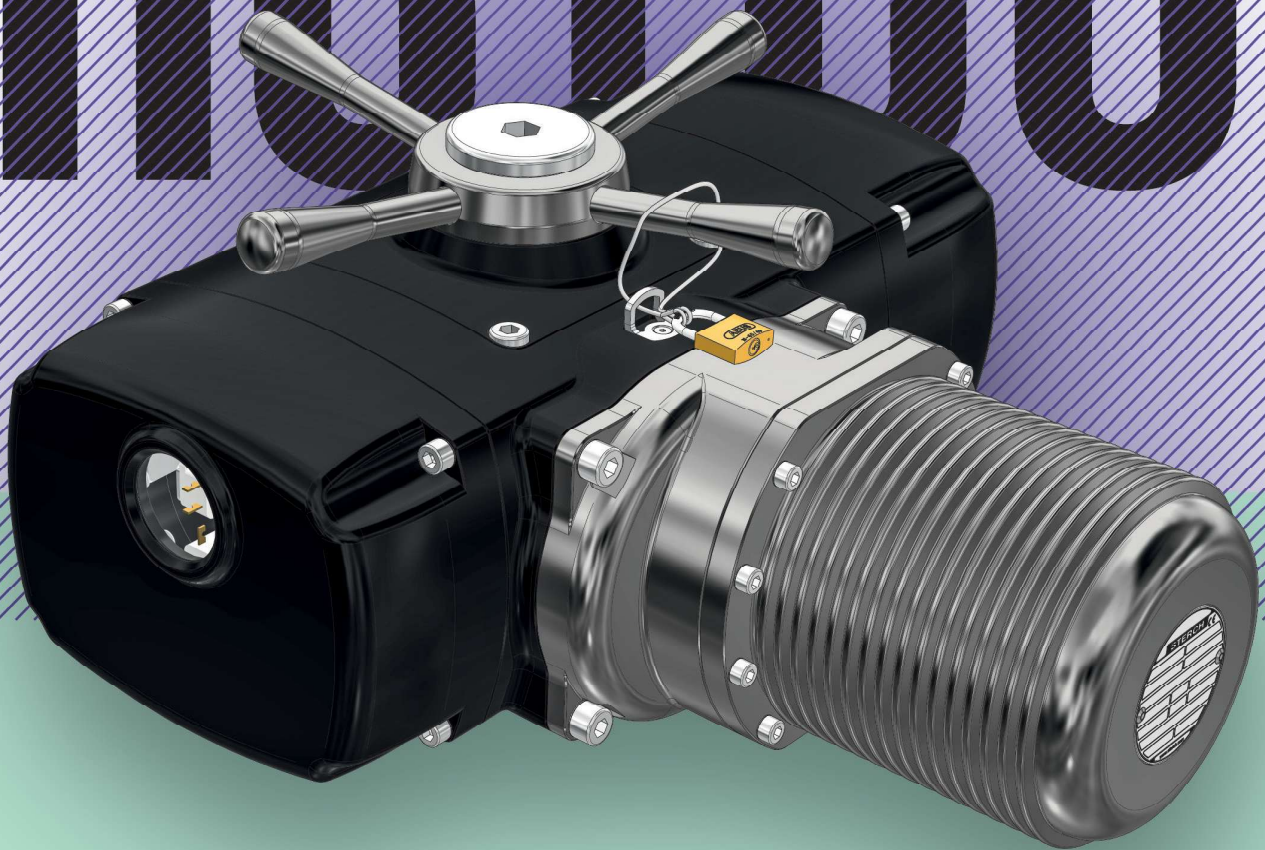


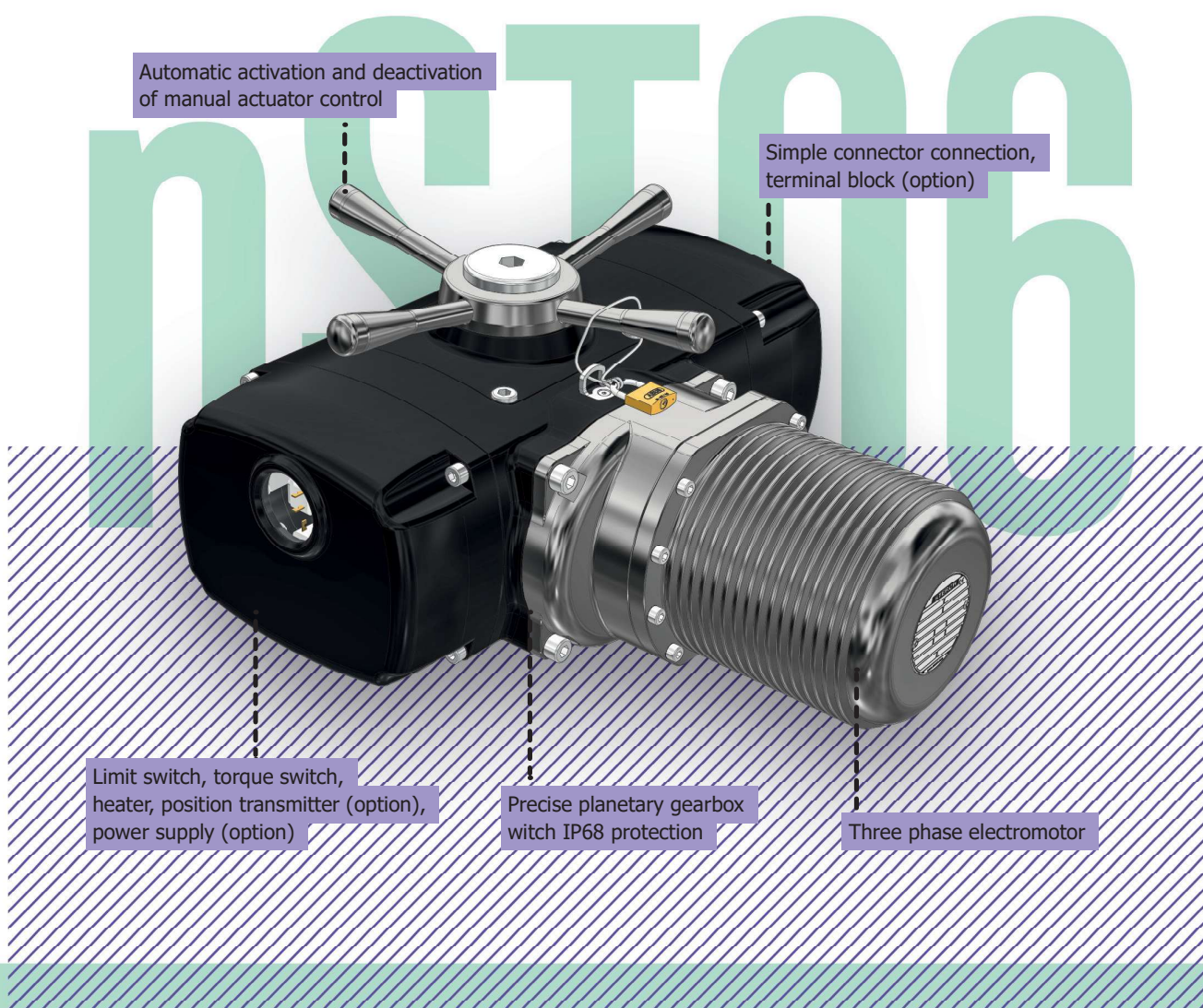
ACTUATOR

INST06



STERCH®

quick review



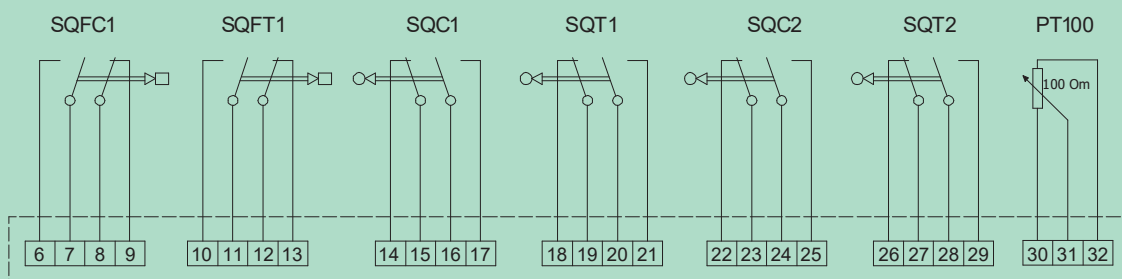
main parameters

Torque output range	7–60 Nm
Output speed	1,5–80 RPM
Revs of travel	As required
Rated voltage	3×380 V
Ingress protection - EN60529	IP68
Design for nuclear power plants in the primary zone according to standard NP-068-05 (new OTT87)	
All-aluminium construction AL6061	

nST06

The diagram shows a 3-phase 3-wire system. A central circle contains the letter 'M' and '3~'. Three lines extend from the circle to a horizontal bar labeled 'U', 'V', and 'W'. A fourth line extends from the center of the circle to a horizontal bar labeled '1', '2', '3', '4', and '5'. A ground symbol is connected to the center of the circle, and another ground symbol is connected to the '4' bar.

SQFC	Torque switch counterclockwise/open
SQFT	Torque switch clockwise/close
SQC	Position switch counterclockwise/open
SQT	Position switch clockwise/close
M	Threephase electromotor
PT100	Position transmitter, 100 ohm



tech specs

Type of actuator	Open/close	nST06
	Regulating	mST06
	Operating torque	
	Minimal	7 Nm
	Maximum	60 Nm
	Regulating	30 Nm
	Type of operation	
	Open/close	S2=20 min
	Regulating	S4=1200c/h 40%ED
	Hand-operation	Automatic activation and deactivation of manual actuator control
Mechanical connection	Flange	ISO 5210 – F07, F10
	Output	A, Am, B/B1/Bs, C/Cs, D, E-B3, S
	Maximal armature shaft Ø	27 mm
Operating environment	Ingress protection – EN 60529	IP68
	Operating temperature	-0 °C / +60 °C; Loss of Coolant Accidents max. 150 °/10 hod
	Anti-corosion protection	For deployment in nuclear power plants in the primary zone (under cover)
	Paint / color	Motor nickel 20 µm, actuator black matt ELOX 20 µm + powder epoxy min. 80 µm – RAL9005
	Weight	19 kg
Electromotor	Type	Three phase electromotor
	Isolation class	H – max. 180 °C constant temperature
	Rated voltage	3×380 V 50Hz ±10%
	Rated current	As required (depends on the output speed)
	Input Power	As required (depends on the output speed)
Equipment	Standard	
	Torque switch	SQFC1/SQFT1 – 1 switch for clockwise; 1 switch for counterclockwise
	Position switch	SQC1/SQT1 – 1 switch for clockwise; 1 switch for counterclockwise
	Signalization of position switch – tandem	SQC2/SQT2 – 1 switch for clockwise; 1 switch for counterclockwise
	Option	
	Position transmitter	PT – resistance
	Mechanical position indicator	MPI
	Hand-wheel locking	ZRK
	Spindle cover	SC
Electric connection	Connector	CR32 – 32-poles
	Terminal block	TB32 – 32-poles
	Blanking plugs DIN46320 Form N-MS	BP01 – 1x M32×1,5; 1xM25×1,5; M20×1,5
	Wiring diagram	Delivered according to specification

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