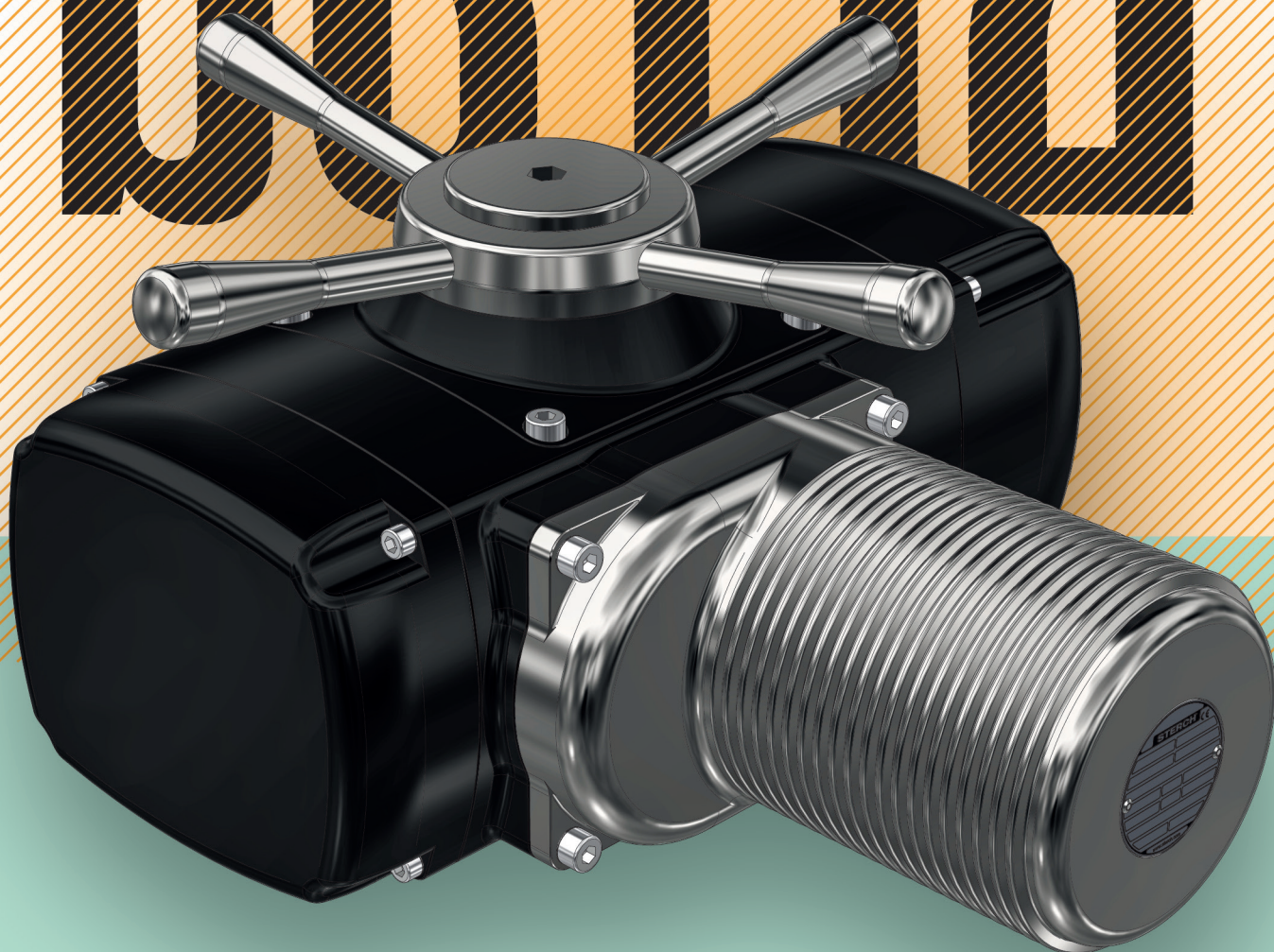


ACTUATOR

hST12



STERCH®

quick review

Automatic activation and deactivation of manual actuator control

Simple connector connection, terminal block (option)

Limit switch, torque switch, heater, position transmitter (option), power supply (option)

Precise planetary gearbox with IP68 protection

Three phase electromotor

main parameters

Torque output range	30–120 Nm
Output speed	1,5–80 RPM
Revs of travel	As required
Rated voltage	3×400 V
Ingress protection – EN60529	IP68
All-aluminium construction AL6061	

dimensional drawing

Ø39

138

225

87

81

99,6

Ø128

14 e8 ($\begin{smallmatrix} +0,03 \\ -0,04 \end{smallmatrix}$)

Ø40 F8 ($\begin{smallmatrix} +0,04 \\ -0,03 \end{smallmatrix}$)

A ↑

Ø50

M10(8x)

Ø80 F8 ($\begin{smallmatrix} +0,08 \\ -0,03 \end{smallmatrix}$)

Ø102

1

11

20

448 $\begin{smallmatrix} +0 \\ -0,2 \end{smallmatrix}$

275

70

173

174

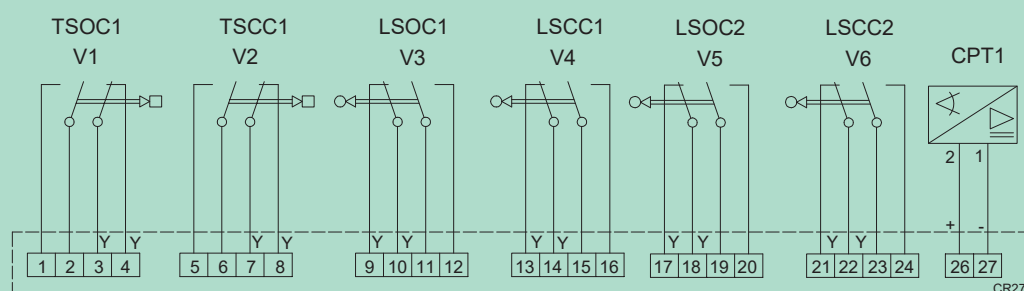
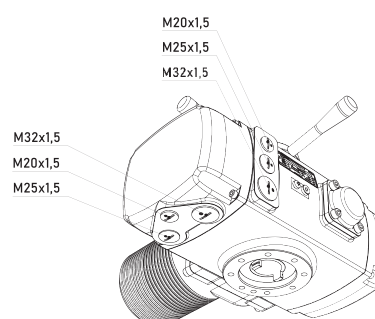
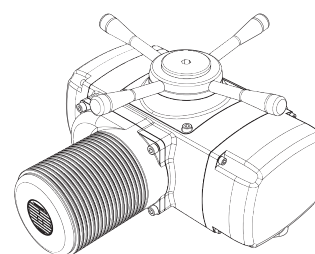
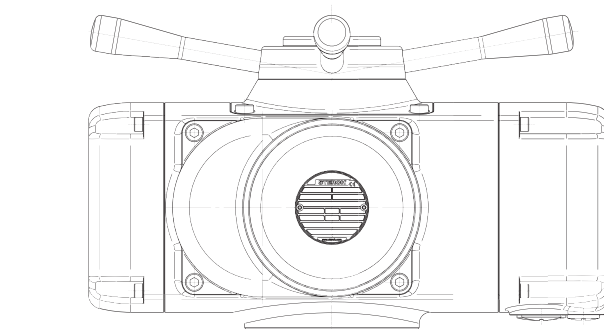
372 $\begin{smallmatrix} +0 \\ -0,2 \end{smallmatrix}$

198

Ø345

0,7

45°



TSOC	Torque switch counterclockwise/open
TSCC	Torque switch clockwise/close
LSOC	Position switch counterclockwise/open
LSCC	Position switch clockwise/close
M	Threephase electromotor
H230	Heating 5W; 230V
CR18	18-pin connector
CPT1	Current position transmitter
TS	Thermal switch
Y	Yellow conductor
CR27	27-pin connector

tech specs

Type of actuator	Open/close	bST12
	Regulating	rbST12
	Operating torque	
	Minimal	30 Nm
	Maximum	120 Nm
	Regulating	60 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 – F10
	Output	A, Am, B/B1/Bs, C/Cs, D, E-B3, S
	Maximal armature shaft Ø	38 mm
Operating environment	Ingress protection - EN 60529	IP68
	Operating temperature	-25 °C / +60 °C
	Anti-corossion protection	CP1 for use in powerplants, industrial and ecological devices
	Paint / color	Elox / RAL9005
	Weight	27 kg
Electromotor	Type	Three phase electromotor
	Isolation class	F – max. 155°C constatnt temperature; option class H
	Rated voltage	3×400V 50Hz ±10%
	Rated current	As required (depends on the output speed)
	Input Power	As required (depends on the output speed)
Equipment	Standard	
	Torque switch	TSCC1/TSOC1 – 1 switch for clockwise; 1 switch for counterclockwise
	Position switch	LSCC1/LSOC1 – 1 switch for clockwise; 1 switch for counterclockwise
	Heater	H – 230 V, 5 Watt
	Option	
	Signalization of positon switch - tandem	LSCC2/LSOC2 – 1 switch for clockwise; 1 switch for counterclockwise
	Signalization of operation	BT – Blinker
	Current position transmitter	CPT – Current, 4–20 mA
	Power supply for CPT	PS – 230 VAC/24 VCD
	Mechanical position indicator	MPI
	Hand-wheel locking	ZRK
	Spindle cover	SC
Electric connection	Connector	CR18 & CR27 – ILME with spring terminal connection
	Terminal block	TB40 – 40 poles
	Blanking plugs DIN46320 Form N-Ms	1x M32×1,5; 1xM25×1,5; M20×1,5
	Wiring diagram	Delivered according to specification

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