

> 3S 300 D (multiturn actuator)

Grid operation of tomorrow

AUTOMATION OF GATE VALVES, BUTTERFLY VALVES AND BALL VALVES

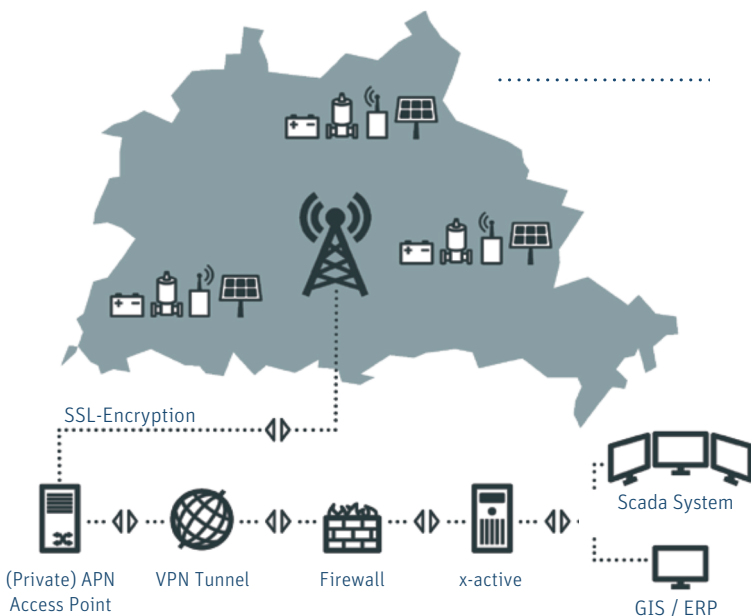
- » **No manhole:** little costs for civil and underground engineering even with retrofitting valves thanks to the installation System Berliner Kappe®
- » **No data cabling, PLC or switching cabinet:** bidirectional SCADA integration and accessibility at all times thanks to x-active M2M communication technology
- » **No grid connection:** one year battery lifetime without recharging thanks to 3S Energy Save Technology

Standard application: 230 V AC and integration via PLC

REMOTE

WIRELESS FROM CONTROL CENTER

NO MANHOLE



ISO FLANGE

> 3S 300 D

> Technical Data*

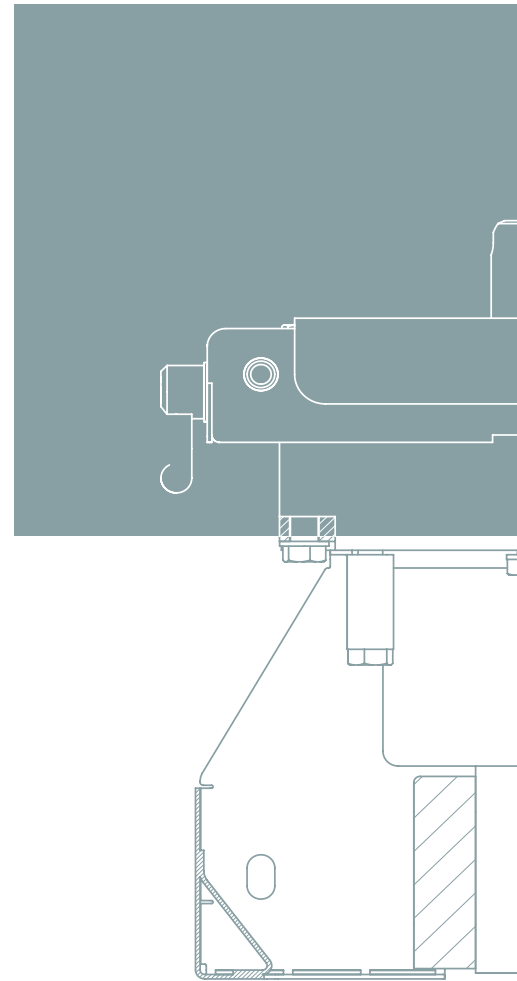
Actuator	Power	Max. Rotation speed ¹	Adjustment range of torque limitation ²	Valve connection	
	W	[1/min]	[Nm]	Flange EN ISO 5210 / 5211	System Berliner Kappe® installation depth [m] ³
3S 300 D-125	300	30	up to 125	F 10	0.5 - 3.5
3S 300 D-60	300	60	up to 60	F 10	0.5 - 3.5

¹ the maximum rotation speed is available up to approx. 50% of the maximum torque ² The maximum torque is available up to approx. 30 % of the maximum rotation speed ³ Installation according to the System Berliner Kappe®; depth of installation valve square-end

For all types of actuators		Standard	Optional
Duty type	Open-close duty ¹	X	
	Positioning duty ¹	X	
	Modulating duty ¹		X
Service conditions	Power coated casing from stainless steel	X	
	Enclosure protection IP 68, 2m	X	
	Low temperature version		X
	Explosion protection (ATEX Zone 2)	X	
Functions	Motor operation	X	
	Manual operation by standard square-end	X	
	Limit seating	X	
	Torque seating	X	
	Overload protection of the valve	X	
	Overhead control	X	
	Individual closing profile ²	X	
Feedback signals and indication	Valve end positions	X	
	Valve position	X	
	Intermediate positions	X	
	Actuator is running	X	
	Mechanical valve position indication		X
	Fault (excessive temperature)	X	
	Fault (torque fault)	X	
	Torque curve		X
Actuator control	Integral control incl. fieldbus interface ³	X	
	Integral evaluation device ⁴		X
	3S Energy Save Modus		X
	x-active GSM module		X
	GSM antenna		X
	Local control		X
Electrical connection	230 V AC	X	
	85 - 280 V AC		X
	40 - 58 V DC		X
	Electrical connection with plug/socket	X	
	Data connection with plug/socket	X	

¹ S3 - 30 min 50% ² continuously variable rotation speed ³ Profibus DP, Modbus RTU, etc.

⁴ the integral evaluation device allows valve operation according to external sensor data (for example pressure)



3S Antriebe GmbH
Schichauweg 52
12307 Berlin

Tel +49(30)7007764-0
Fax +49(30)7007764-20
info@3S-Antriebe.de

www.3S-Antriebe.de