Low Temperature Version

Positioner integrated

2 360 lbf

Max. thrust)1

39.1 - 19.54 Secs/In. Stroke Speed

max. 2.56 In. stroke

Modulating actuator Class C DIN EN ISO 22153

Enclosure IP67
EN 60529

Ø7.09

Approx. weight: 26.5 lb without accessories

Stroke Speed		39.1 - 19.54 Secs/In. (adjustable)										
Power supply	[V]	230 VAC 1~	115 VAC 1~	24 VAC/DC	360575 VAC 3~) ²	14						
Nominal current) ³	[A]	0.48	0.95	4.6(AC) / 2.9(DC)		2						
Max. current) ³	[A]	0.62	1.24	6(AC) / 3.7(DC)		S						
Power consumption) ⁴	[W]	88	88	82(AC) / 69(DC)		<u> </u>						

Standard	Description
Ambient temperature [°F]	-40°F to +140°F
Motor protection	Electronic motor current monitoring with safety cut-off
Overvoltage category	II
Break away force	Adjustable up to +50% nominal force
Duty cycle as per IEC 60034-1,8	S2 30 min S4 50% ED @ 77°F
Control signal and feedback	0 (4)20 mA or 0 (2)10 V selectable, split range operation
Binary control	24 V - 230 V for ON/OFF control (min. duration of pulse 1s)
Valve positioner function	Integrated, deadband adjustable from 0.5 5%, shut-off MIN
Automatic start-up	Recognizing the end position(s) and autoscaling set and feedback values
Internal fault monitoring	Thrust, control signal, temperature, power supply
Fault indication relay FIR	Standard, potential-free opening contact provides a freely definable (programmable) collective fault signal and doubles for indication for when optional Local Controls is NOT in remote mode
Diagnostics function	Stores cumulated operation data (motor and total running time, number of motor starts) and data sets of current values (set value, feedback value, torque, temperature and error messages)
Communication interface	Connecting to a USB port and a software, allows data reading and parametrisation
Conduit entries	2 pcs. M20 x 1,5 and 1 pcs. M16 x 1,5

)¹ = permissible average force over the entire travel is 50% of the max. thrust

)² = max. input voltage range

)³ = data may vary depending on accessories

)⁴ = at max. thrust, data may vary depending on accessories

Standard equipment

Technical Data

Wiring Termination

																					Г	1-P		n Wechsels 1-Phase AG		/ DC			Phas hase							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	1		RJ-45	Taster	1	L1 L	.2 L	3 PE						
1	1	1	+	4	4	1	1	•	1	1	•	1	4	1	1	1	1	1	\$	‡	1	1			TTL	Button		•	1							
+ 0(2) - 10 V	+ 0(4) - 20 mA	GND	+ 0(2) - 10 V	+ 0(4) - 20 mA	GND	24 VDC	. Last / r	L/+ AUF/OPEN 24 V AC/I 230	DC -		: - 230VAC)	N/- (24V AC/DC - 230VAC)	21 - 40 VDC / 100 mA	+ 0(2) - 10 V	+ 0(4) - 20 mA	GND	(Option)	(Option)	(Option)	(Option)	L/+ (siehe Typenschild/ see tag p	N/- (siehe Typenschild/ see tag p	PE	(Option)				400 VAC	400 VAC	Schutzleiter / protective conductor						
											(Option)		- () 	On)	Г	Zı	u/	Αι	ıf /	plate)	plate)								or						
	llwe ngar		Po	Aktiv ositic kmel			eldung tialfrei	Binäre Ansteuerung				e au				tz- fall- nal	Ver- sor- gung		sor- Istwert		r- Istwert		V		Op chalt alfre	er		sorgu		Feldbus- Anschluß	PC Kommu- nikation	Inbetrieb- nahme			sorgu	
	val put		р	Activ ositi edba	on	Monito potenti		Binary input safe signals		fe	Supply	Supply Actual value			Kontakt Position switch potential-free			Power supply voltage			Fieldbus interface	PC commu- nication	Com- missio- ning			er su oltag										
	- 0	Galv	anis	ch g	etren	nt / Ga/v	/anicall	y isola	ated	1 kV	Ċ		Proc	ess-	Sen	sor		con	tact	_	F				013770 - S-	217_G	ļŧ	Sch	altne	zteil						

Dimensions of the PS Standard Adaptation

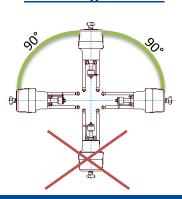
SW18

Connection Thread X

M16	Standard
M14	Optional
M12	Optional
M10	Optional
M8	Optional

Fine threaded and other sizes on request!

Mounting Position



Accessories/Options

Position signal	2WE	2 potential-free position switches, mechanical, with silverplated
switches, mechanical		changeover contacts, 24V to 230 V AC/DC @ 0.1A- 5A
Position signal	2WE	2 potential-free position switches, mechanical, with gold-plated
switches gold,	Gold	changeover contacts
mechanical	Gold	5 V to 30 V AC/DC @ 1mA- 100mA; contact resistance 30 mOhm
Integrated process	DCIC	Enables the autonomous control of a process so that an external controller is
controller	PSIC	not required.
Fail anda*	DCCD	Emergency power supply based on supercapacitors, safety position OPEN,
Fail-safe*	PSCP	CLOSED or free defined position
		Digital transmission of nominal and actual value per mill or percent, report of
Fieldbus interface*		monitoring and diagnostic data using Profibus DP (PSPDP) or CANOpen (PSCA)
		interfaces, additional interfaces available on request
		Illuminated display to show the actuator status and lockable selector to switch
		between modes: automatic, manual process ON/OFF, STOP and parameter
Local control station	PSC.2	menu. Control buttons for manual movement, menu operation and adjustment
		of parameters, display of diagnostic information
Remote local control		Mounting separately from the actuator (incl. 10 m connection cable)
		USB data cable enables the communication between the actuator and a PC by
Data cable PS	SCS-USB	using the software PSCS
		Standard, potential-free opening contact provides a freely definable
Fault indication relay*	FIR	(programmable) collective fault signal and doubles for indication for when
		optional Local Controls is NOT in remote mode
Fail-safe port*		Signal port to drive to a "safety position", selectable fail-safe position, standard
Tan baic port	FSP	24 - 230 V
Heating resistor	HR	Heating resistor to prevent condensation
Heating resistor	пк	heating resistor to prevent condensation

^{*}not retrofittable

For more information and accessories, please visit our website www.ps-automation.com! Subject to changes!