

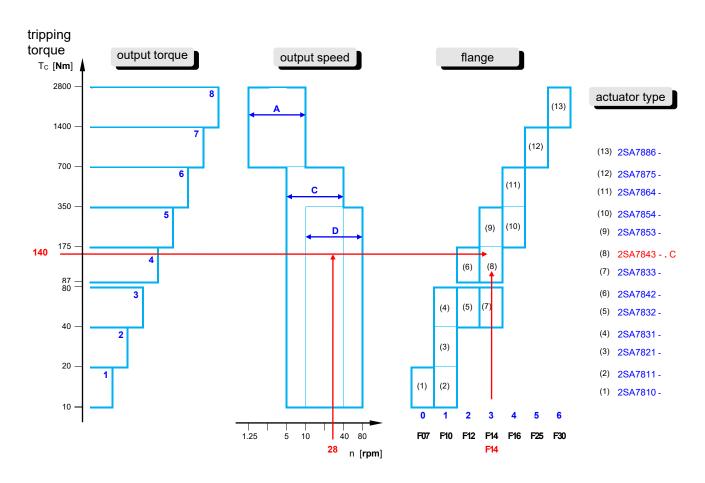




Electric rotary actuators for continuous modulating duty

Ordering data

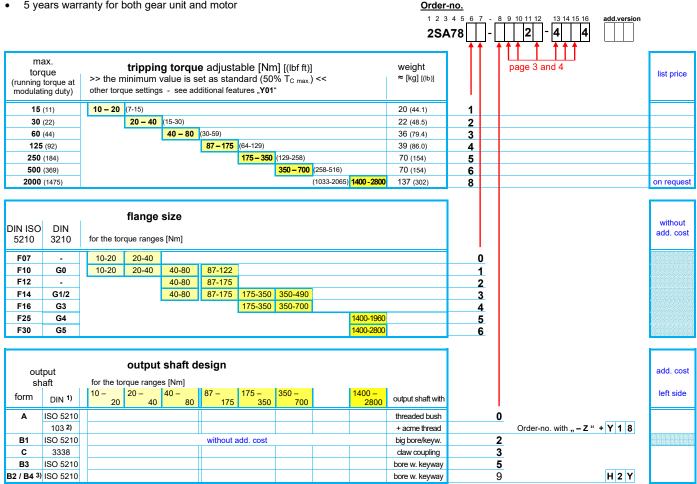




Ordering data

Standard design

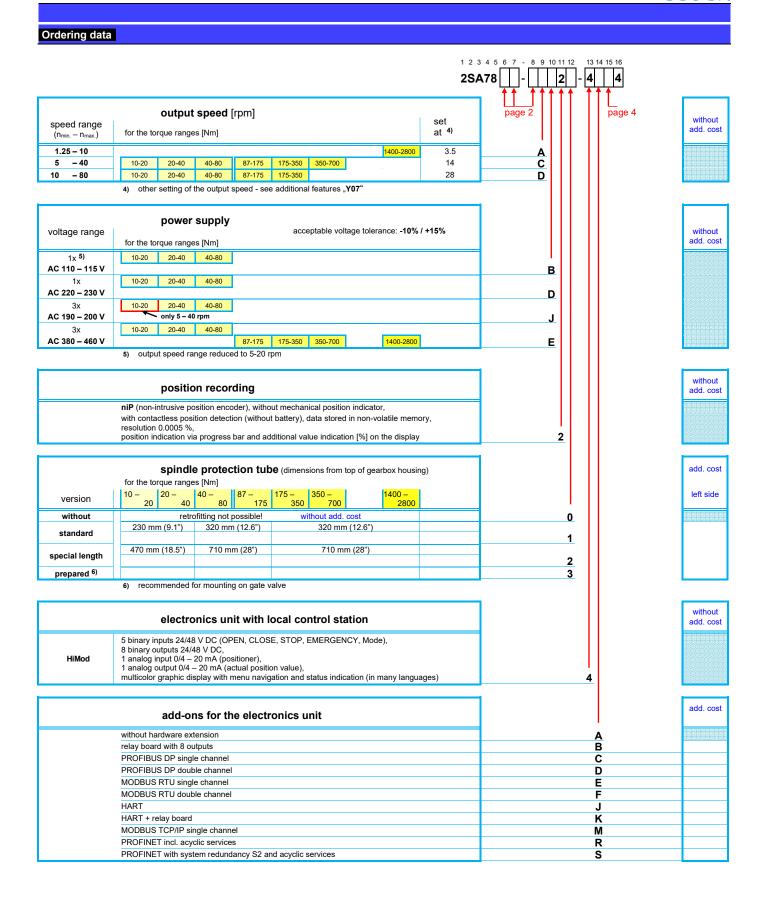
- duty classification: continuous modulating duty, class D according to DIN EN ISO 22153
- protection class IP68 acc. to DIN EN 60529
- corrosivity category C5 acc. to DIN EN ISO 22153
- electronic motor protection, automatic phase sequence correction
- start-up current lower than rated current
- line voltage tolerance -10% / +15% in the chosen voltage range, frequency range from 40 to 70 Hz (full torque for voltage fluctuations between -30 % and +15 %)
- permissible ambient temperature: -20°C to +70°C (-4°F to +158°F), (lower / higher temperatures on request)
- electric connection: round plug with screw connection, dust and water-protected when plug withdrawn (double sealed)
- separate mounting of the electronics unit possible
- hand wheel for emergency operation (disconnected during motor operation!)
- "non-intrusive": adjustment/parameterization without opening the actuator
- valve protection through integrated frequency converter: soft start and speed reduction in the end positions
- extremely high modulating accuracy: max. 0.1 to 0.2 % deviation from the overall travel
- continuous settable output speed within the selected speed range
 - (parameterizable on the display in 2.5% increments between 12.5 100% n_{max.})
- output speeds independently adjustable for OPEN, CLOSE, Emergency OPEN and Emergency CLOSE
- tripping torques adjustable from 50% to 100% of max. output torque T_{C max} for OPEN and CLOSE in steps of 10%
- travel dependent cut-off continuously adjustable
- 3 reference torque curves of the valve can be stored
- local control with hermetically sealed control knob "Drive Controller" (optionally lockable)
- operator guidance via display
- external 24 V DC supply for electronics unit possible
- external 24 V DC or 48 V DC supply of the galvanic isolated binary inputs and outputs possible
- galvanic isolation of the analog inputs and outputs
- analog actual position value 0/4 20mA
- analog position setpoint (positioner) 0/4 20 mA
- communication with COM-SIPOS via USB and Bluetooth possible
- real-time event logging
- 5 years warranty for both gear unit and motor



- special output shaft and output shaft design acc. to DIN 3210 on request
 Extra price for bush with acme screw thread LH according to DIN 103, Part 2, thread nominal diameter as listed in Line 1, pitch according to preferred series
- The acme screw thread must be expressly stated, e.g. TR 16 x 4 LH DIN 103! The special bore must be stated, e.g. Ø 26 with featherkey A8x7 DIN 6885!

= without add. cost

2 Y070.296/EN



= without add. cost

Y070,296/EN 3

Ordering data

	2 SA78	1
software-function	page 2 and 3	add. cost
positioner	В	
process controller	С	
positioner + travel dependent output speed adjustment	Е	
positioner + external analog output speed setpoint	G	
positioner with split-range functionality	Н	
positioner + travel dependent freely adjustable positioning times	K	
process controller + travel dependent freely adjustable positioning times	L	

Additional features (Order-no. with "-Z")

	stment/par			
tripping torque	set to	→ state: Nm in direction OPEN and Nm in direction CLOSE >> set to 50 % of T _{C max} . as standard <<	Y 0 1	
output speed s	set to	→ state: rpm (in 2.5% increments of n _{max.}) >> set to 35% of n _{max.} as standard <<	Y 0 7	
further adjustment/parameterization		Y 1 1		
customer spec	cific software-pr	ogramming	Y 9 9	
spec	ific supply	of the inputs and outputs		
OPEN and CLOSE binary inputs internally supplied with 120 V AC >> Relay board has only 5 instead of 8 outputs <<			C 6 3	
analog position value externally supplied with 24V DC (passive analog output)		C 6 7		
field	bus			
PROFINET connection via RJ45 plug		C 1 3		
fieldbus connection (PROFIBUS/MODBUS) via FO in line/star topology, 1 channel		C 1 7		
PROFIBUS connection via FO in loop topology, 1 channel		C 1 8		
		nting bracket and tubular steel stirrup (lead ends are prepared for plug in)		
>> other versi	ions with cable	nting bracket and tubular steel stirrup (lead ends are prepared for plug in) lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7.	S 4 1	
>> other versi	ions with cable	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled	S 4 1 R 7 0	
>> other versi	ions with cable ble with connec ble shielded	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7.		
>> other versi connecting cab connecting cab	ions with cable ble with connec ble shielded ble shielded	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7. 3 m (9.8 ft)	R 7 0	
>> other versi connecting cab connecting cab connecting cab connecting cab	ions with cable ble with connect ble shielded ble shielded ble shielded omer-plate	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7. 3 m (9.8 ft) 5 m (16.4 ft)	R 7 0 R 7 1	
>> other versi connecting cab connecting cab connecting cab connecting cab	ions with cable ble with connect ble shielded ble shielded ble shielded omer-plate duct document	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7. 3 m (9.8 ft) 5 m (16.4 ft) 10 m (32.8 ft) and product documentation	R 7 0 R 7 1	
>> other versi connecting cab connecting cab connecting cab connecting cab connecting cab custo (standard prod	ions with cable ble with connect ble shielded ble shielded ble shielded omer-plate duct document with freely of	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7. 3 m (9.8 ft) 5 m (16.4 ft) 10 m (32.8 ft) and product documentation ation: operating instructions German and rating-plate German/English)	R 7 0 R 7 1 R 7 2	
>> other versiconnecting cabonecting cabon	one with cable ble with connect ble shielded ble shielded ble shielded ble shielded omer-plate duct document with freely operating ir AR (B65), (lengths up to 150 m (492 ft) on request <	R 7 0 R 7 1 R 7 2	
>> other versiconnecting cate connecting cate connecting cate connecting cate connecting cate connecting cate connecting cate customer-plate other language	ble shielded omer-plate duct document with freely operating in AR (B65), NL (B67), ZH (B58) r paint sion: 80 µm t	lengths up to 150 m (492 ft) on request << tion plug hoods for electronics unit and gear unit are completely assembled → state: length of cable R7. 3 m (9.8 ft) 5 m (16.4 ft) 10 m (32.8 ft) and product documentation ation: operating instructions German and rating-plate German/English) definable text istructions monolingual, rating-plate foreign-language/English: SS (B55), DA (B62), EL (B60), EN (B49), ES (B51), FI (B54), FR (B50), IT (B52),	R 7 0 R 7 1 R 7 2	
>> other versiconnecting cate connecting cate customer-plate other language	ions with cable ble with connect ble shielded ble shielded ble shielded ble shielded ble shielded with freely operating ir AR (B65), NL (B67), ZH (B58) r paint sion: 80 µm t accordin	lengths up to 150 m (492 ft) on request <	R 7 0 R 7 1 R 7 2	on reque

>> other additional features on request! <<