



Tender specification

Rotary Actuator/Linear Actuator for Continuous Control Operation

for control operation mode of beat duty type S9, 100% duty ratio acc. to IEC60034-1, stall-proof, blocking-resistant without time-limit

Mechanics

Rated torque xxxx Nm / Rated force xxxx kN
Start-up torque 120 % / Start-up force 120 %
Positioning time xxxx s/90° / xxxx mm/s
Actuator with integrated electromechanical brake
Operation without torque or limit switch
Permanent lubrication by oil
Output via lever drive with ball joints
Electric connection by connector
High-quality 2-component paint
Handwheel engagement
Protection type IP 66 acc. to IEC 529

Electronics

Mode of operation S9 beat, 100 % duty ratio, stall-proof, duty cycle even with zero motor speed
blocking-resistant without time-limit
Electronic unit integrated in the actuator or close to the actuator
Motor triggering by frequency converter
Analog set-point input 0/4...20 mA
Travel and torque monitoring
Supply voltage 115V or 230 V single-phase (–15 ... +10%)
Integrated power and disturbance LED
3 binary inputs and 3 binary outputs
Analog position feedback 0/4...20 mA, galvanically isolated
Position and status feedback via HART or PROFIBUS DP (optional)

Functionality

Adjustable and/or readable via graphic interface
Adjustment and commissioning via keys on electronic unit without opening the actuator Electronically adjustable torque and speed
Electronic adjustment possibility of output speed separately for both directions
Diagnostic functions with detailed alarm and disturbance messages
Positioning accuracy better than 0.1 %
Response sensitivity better than 0.01%
Normal life-time more than 20 years, maintenance interval 10 years
Maintenance display with load-dependent rating
Easy Commissioning via move to end-position
No adjustment for Force- or torque related monitoring necessary



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Rotary Actuator and Electronic Type

Rated Torque in Nm	lbf ft	Rated time sec for 90°	Actuator		Field Mounted Electronic units		Rack Mounted Electronic units	
			Actuator Type	Order Code Actuator	Electronic Type	Order Code Electronic	Electronic Type	Order Code Electronic
100	80	20...900	PME120-AI	v68122*	integrated		integrated	
100	80	20...900	PME120-AN	v68120	EAN823	V68823	EAS822	v68822A
250	200	10...900	RHD250-10	v68151	EBN853	V68853	EBS852	v68852A
500	400	10...900	RHD500-10	v68163	EBN853	V68853	EBS852	v68852A
800	600	10...900	RHD800-10	v68164	EBN853	V68853	EBS852	v68852A
1.250	1000	12...900	RHD1250-12	v68174	EBN853	V68853	EBS852	v68852A
2.500	1900	25...900	RHD2500-25	v68175	EBN853	V68853	EBS852	v68852A
2.500	1900	10...900	RHD2500-10	v68175	EBN861	V68861A	EBS862	v68862A
4.000	3000	40...900	RHD4000-40	v68181	EBN853	V68853	EBS852	v68852A
4.000	3000	10...900	RHD4000-10	v68181	EBN861	V68861A	EBS862	v68862A
8.000	6000	80...900	RHD8000-80	v68191	EBN853	V68853	EBS852	v68852A
8.000	6000	12...900	RHD8000-12	v68191	EBN861	V68861A	EBS862	v68862A
16.000	12000	30...900	RHD16000-30	v68194	EBN861	V68861A	EBS862	v68862A

*PME120-AI with integrated electronic, no separate electronic necessary



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Linear-Actuator and Electronic Type

Rated Force in kN	Rated Force in lbf	Rated speed mm/sec	max. Stroke in mm	Actuator		Field Mounted Electronic units		Rack Mounted Electronic unit	
				Actuator Type	Order Code Actuator	Electronic Type	Order Code Electronic	Electronic Type	Order Code Electronic
4	900	2...0,1	60	LME620-AI	v68622A*				
4	900	2...0,1	60	LME620-AN	v68620A	EAN823	V68823	EAS822	v68822A
10	2250	5...0,1	100 / 300	RSD10-5	v68632	EBN853	V68853	EBS852	v68852A
10	2250	10...0,1	100 / 300	RSD10-10	v68632	EBN853	V68853	EBS852	v68852A
20	4500	5...0,1	100 / 300	RSD20-5	v68642	EBN853	V68853	EBS852	v68852A
20	4500	7,5...0,1	100 / 300	RSD20-7,5	v68642	EBN853	V68853	EBS852	v68852A
50	11240	3...0,1	120 / 300	RSD50-3	v68652	EBN853	V68853	EBS852	v68852A
50	11240	10...0,1	120 / 300	RSD50-10	v68652	EBN861	V68861A	EBS862	v68862A
100	22500	1,5...0,1	150 / 300	RSD100-1,5	v68662	EBN853	V68853	EBS852	v68852A
100	22500	10...0,1	150 / 300	RSD100-10	v68662	EBN861	V68861A	EBS862	v68862A

*LME620-AI with integrated electronic, no separate electronic necessary

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