Electric cylinder unit EPCS-BS-32-Part number: 8118264





Data sheet

Feature	Value
Size	32
Stroke	25 mm200 mm
Stroke reserve	0 mm
Piston rod thread	M8
Screw diameter	8 mm
Spindle pitch	3 mm/U8 mm/U
Mounting position	Any
Structural design	Electric actuator with ball screw drive With integrated drive
Spindle type	Ball screw drive
Protection against torsion/guide	With plain-bearing guide
Rotor position sensor	Absolute encoder, single-turn
Rotor position sensor measuring principle	Magnetic
Temperature monitoring	Shutdown in the event of over temperature Integrated precise CMOS temperature sensor with analogue output
Additional functions	User interface Integrated end-position sensing
Display	LED
Max. acceleration	0.5 m/s ² 5 m/s ²
Max. speed	0.075 m/s0.21 m/s
Repetition accuracy	±0.02 mm
Characteristics of digital logic outputs	Configurable Not galvanically isolated
Duty cycle	100%
Insulation protection class	В
Max. current of digital logic outputs	100 mA
Max. current consumption	3 A
Logic max. current consumption	0.3 A
DC nominal voltage	24 V
Nominal current	3 A
Parameterization interface	IO-Link® User interface

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Power supply, connection technology Power supply, number of pins/wires A CM compliance mark CE marking (see declaration of conformity) A per EU EMC directive A per EU E	Permissible voltage fluctuations	+/- 15 %
Power supply, number of pins / wires Certification RCM compliance mank CE marking (see declaration of conformity) As per EU EMC directive As per E	Power supply, type of connection	Plug
CE marking bee declaration of conformity) As per EU RUNG directive As per EU RUNG directive Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-26 Shock resistance Shock resistance Shock resistance (ass. (CRC) O-No corresion serials as per FN 942017-5 and EN 60068-2-26 Corresion resistance dass. (CRC) LABS (PWIS) conformity VDMA24364 zone III Cleanroom class Cleanroom class Class 9 according to ISO 14664-1 Storage temperature - 2-0° C60° C Storage temperature Relative air humidity Non-condensing Degree of protection IP40 Arabient temperature 0 ° C50° C Note on ambient temperature above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque MX M	Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111
As per ELEMC directive As per ELEMC directive Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O-No corrosion stress Class PWIS) conformity VDMA24364 zone III Cleanroom class Class 9 according to ISO 14644-1 Cleanroom class Storage temperature O-90 **C50 **C Resilive air humidity O-90 **Non-condensing Degree of protection PI40 Ambient temperature O**C50 **C Note on ambient temperature of 30°C, the power must be reduced by 2% per K. Note on ambient temperature O**C50 **C Note on ambient temperature of 30°C, the power must be reduced by 2% per K. Note of the power must be reduced by 2% per K. Note of the power must be reduced by 2% per K. Note of the power must be reduced by 2% per K. Shall force on actuator shaft O**C50 **C Note on actuator shaft O**C50 **C Note on actuator shaft O**S Note	Power supply, number of pins/wires	4
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32 bit position 32 bit speed IO-Link®, minimum cycle time 1 ms	IO-Link®, process data content IN	State In 1 bit State Intermediate 1 bit State Move 1 bit
	IO-Link®, service data contents IN	32 bit position
IO-Link®, data memory required 0.5 KB	IO-Link®, minimum cycle time	1 ms
	IO-Link®, data memory required	0.5 KB

Feature	Value
Input switching logic	NPN (negative switching) PNP (positive switching)
Logic interface, connection type	Plug
Logic interface, connection technology	M12x1, A-coded as per EN 61076-2-101
Logic interface, number of poles/wires	8
Type of mounting	With internal thread With accessories
Note on materials	RoHS-compliant
Spindle nut material	Steel
Spindle material	Roller bearing steel