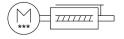
Electric cylinder unit EPCS-BS-32-150-3P-A-ST-M-H1-PLK-AA

FESTO

Part number: 8118269





Data sheet

Feature	Value
Size	32
Stroke	150 mm
Stroke reserve	0 mm
Piston rod thread	M8
Screw diameter	8 mm
Spindle pitch	3 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	1.5 m/s ²
Max. speed	0.079 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

Piever supply, comection Prover supply, comection Prover supply, comection technology Mil 2x1, T-coded as per EN 61076-2-111 Prover supply, number of pins/wives 4 Certification RCM compliance mark EC marking (see declaration of conformity) Apper EU BNG directive Apper EU BNG directive Apper EU BNG directive BN 60068-2-6 Shock resistance EN 60068-2-6 Shock resistance Shock sets with severity level 1 as per FN 942017-4 and EN 60068-2-7 Corrusion resistance class (CRC) O-No corrosion stress Class 9 according to ISO 14644-1 Classop and Shock sets with severity level 1 as per FN 942017-5 and EN 60068-2-7 Corrusion resistance class (CRC) O-No corrosion stress Class 9 according to ISO 14644-1 PROVIDED TO COMPARE A CONTROL OF THE PROVIDED TO CONTROL OF THE	Feature	Value
Power supply, connection technology Power supply, number of pinys/vires A RCM compliance mark As per EU RMC directive As per E	Permissible voltage fluctuations	+/- 15 %
Power supply, number of pins / wires Certification RCM compliance mark RCM compliance mark RCM compliance mark As per EU BMC directive As per EU BMC d	Power supply, type of connection	Plug
CERTIFICATION CE marking (See declaration of conformity) As per EU RM directive Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 BN60Kersistance Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Cornsoin resistance class (CRC) O-N- on corresion stress LABS (PWIS) conformity VDMA24364 zone III Cleanroom class Class 9 according to ISO 14644-1 Storage temperature - 2-0° C60° C Non-condensing Degree of protection PM0 Ambient temperature O C50° C Non-condensing Degree of protection PM0 Max. torque MX Mx. torque	Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111
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As per EU RoHS directive Transport application test with severity level 1 as per FN 94.2017-4 and FN 60068-2-6 Shock resistance Shock resistance Shock resistance Shock test with severity level 1 as per FN 94.2017-5 and EN 60068-2-27 Corrasion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VOMA2.364 2 one III Clearnoom class Class 9 according to ISO 16444-1 Storage temperature -20 °C60 °C Relative air humidity O -90 % Non-condensing PaQ Ambient temperature O *C50 °C Relative air humidity Non-condensing PaQ Max. Indiger Max. Indiger temperature O *C50 °C Note on ambient temperature O *C50 °C Note on ambient temperature O *R50 °C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx O *Nm Max. torque My 1.5 Nm Max. torque My	Certification	RCM compliance mark
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Max. feed force Fx Guide value for payload, horizontal 24 kg Guide value for payload, vertical 12 kg Moving mass at 0 mm stroke 98 g Additional moving mass per 10 mm stroke 1178 g Basic weight with 0 mm stroke 818 g Additional weight per 10 mm stroke 818 g Additional weight per 10 mm stroke 24 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 22 Work range of logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, protocol version Device V 1.1 Cl-link®, ommunication mode COM3 (230.4 kBd) IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT Move out 1 bit Quit Error 1 bit Move out 1 bit Quit Error 1 bit State Intermediate 1 bit State Unt 1 bit State Unt 1 bit State Unt 1 bit State Intermediate 1 bit State Intermediate 1 bit State Intermediate 1 bit State Intermediate 1 bit State Unt 1 bit State Intermediate 1 bit State Unt 1 bit State Intermediate 1 bit State Unt 1 bit	Max. torque Mz	1.5 Nm
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Guide value for payload, vertical Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 3.3 g Product weight 1178 g Basic weight with 0 mm stroke 818 g Additional weight per 10 mm stroke 818 g Number of digital logic outputs 24 V DC 2 Number of digital logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, protocol version Device V 1.1 IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT Move in 1 bit Move in 1 bit Move intermediate 1 bit State Note 1 bit State Note 1 bit State Out 1 bit State Nove 1 bit State Out 1 bit State Ou	Max. feed force Fx	150 N
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Additional moving mass per 10 mm stroke Product weight Basic weight with 0 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke 24 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Work range of logic input Characteristics of logic input Count geal and content of logic input Count geal and content of logic input Count geal and content of logic input Count geal and counter of logic input Countering logic lo	Guide value for payload, vertical	12 kg
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Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke 24 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 24 V Characteristics of logic input Configurable Not galvanically isolated Not galvanically isolated Not galvanically isolated O-Link®, protocol version Device V 1.1 COM3 (230.4 kBd) O-Link®, port class A O-Link®, number of ports 1 O-Link®, process data width OUT 2 Byte Move in 1 bit Move out 1 bit Quit Error 1 bit Move lout 1 bit Move Intermediate 1 bit State In 1 bit State In 1 bit State In 1 bit State Intermediate 1 bit State Intermediate 1 bit State Intermediate 1 bit State Out	Additional moving mass per 10 mm stroke	3.3 g
Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC Number of digital logic inputs 2 Work range of logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, protocol version Device V 1.1 COM3 (230.4 kBd) IO-Link®, port class A IO-Link®, port class IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move literror 1 bit State In 1 bit State In 1 bit State Intermediate 1 bit State Intermediate 1 bit State Nove 1 bit State Move 1 bit State Move 1 bit State Move 1 bit State Move 1 bit State Intermediate 1 bit State Nove 1 bit State Nove 1 bit State Nove 1 bit State Move 1 bit State Nove 1 bit Stat	Product weight	1178 g
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IO-Link®, communication mode IO-Link®, port class A IO-Link®, number of ports IO-Link®, process data width OUT IO-Link®, process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move Intermediate 1 bit State Device 1 bit State In 1 bit State In 1 bit State Intermediate 1 bit State Out 1 bit	Characteristics of logic input	
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IO-Link®, process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move Intermediate 1 bit State Device 1 bit State In 1 bit State In 1 bit State Intermediate 1 bit State Move 1 bit State Out 1 bit State Ou	IO-Link®, number of ports	1
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State In 1 bit State Intermediate 1 bit State Move 1 bit State Move 1 bit State Out 1 bit 10-Link®, service data contents IN 32 bit force 32 bit position 32 bit speed 10-Link®, minimum cycle time 1 ms	IO-Link®, process data content OUT	Move out 1 bit Quit Error 1 bit
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