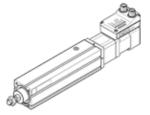
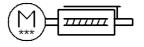
electric cylinder unit EPCS-BS-60-50-5P-A-ST-M-H1-PLK-AA Part number: 8118287

FESTO



Data sheet

Feature	Value
Size	60
Stroke	50 mm
Stroke reserve	0 mm
Piston rod thread	M12x1,25
Reversing backlash	100 µm
Spindle diameter	12 mm
Spindle pitch	5 mm/U
Max. angular deflection of piston rod +/-	1 deg
Assembly position	Any
Piston-rod end	Male thread
Motor type	Stepper motor
Design structure	Electric cylinder
6	With ball screw
	with integrated drive
Spindle type	Ball screw
Protection against torque/guide	with plain-bearing guide
Referencing	Fixed stop block positive
	Fixed stop block negative
	Reference switch
Rotor position sensor	Absolute single turn encoder
Rotary position encoder measuring principle	Magnetic
Temperature monitoring	Shutdown at over-temperature
remperature monitoring	Integrated precise CMOS temperature sensor with analogue output
Additional functions	User interface
	Integrated end-position sensing
Display	LED
Ready status display	LED
Max. acceleration	1.5 m/s2
Max. speed	0.09 m/s
Speed "Speed press"	0.01 m/s
Repetition accuracy	±0,02 mm
Digital logic output characteristics	configurable
Distantosic output characteristics	Not electrically isolated
Duty cycle	100 %
Insulation protection class	B
Max. current, digital logic outputs	100 mA
Max. current consumption	5.3 A
Max. current consumption	0.3 A
Nominal voltage DC	24 V
Nominal current	5.3 A
Parameters configuring interface	IO-Link
	User interface
Rotor position encoder resolution	16 Bit
Permissible voltage fluctuation	+/- 15 %
Power supply, type of connection	+/-15 % Plug
Power supply, type of connection Power supply, connection technology	
Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111



FESTO

Crask KC-EW E Symbol (see declaration of conformity) in according to EU-EW guideline In according to EU-EW guideline in accordance with EU ROHS directive KKA marking (see declaration of conformity) To UK ROHS instructions Thration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 40066-2-2 Abock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 40066-2-2 Gronsol resistance classification CRC 0. No corrosion stress Wits conformity VDMA22364 cone III Bearcon class ISO class 9 Gronsol resistance 2060 °C Visconterrul 090 % mon-condensing 1060 °C Totaction class IFA0 adarty class III moleon temperature 050 °C date on ambient temperature of 30 °C, the power must be reduced by 2% per K. dax. torque M 0 Mm dax. torque MA 0 Mm datterance first 900 N teleterence value for working load, wetcal <th>Feature</th> <th>Value</th>	Feature	Value
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C mark KC-EW E symbol (see declaration of conformity) accordant to EU-EW guideline inaccordance with EU RoHS directive IKCA marking (see declaration of conformity) To UK Ristructions of KC EW (instructions for EW To UK ROHS instructions To UK ROHS instructions To UK ROHS instructions inhation resistance Shock test vitils servity level 1 as per RN 942017.4 and EW 60063-2.6 sitock resistance classification CRC 0 No corresion stress isocator and the trapper ature -0 - 60 °C icotator and the trapper ature -0 - 50 °C icotator and trapper ature -0 - 50 °C icotatore ature there ature ature ature ature ature ature ature ature atur	Authorization	RCM Mark
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in accordance with EU Rolfs directive in accordance with EU Rolfs directive in accordance with EU Rolfs directive in the instructions for FMC To UK Rolfs instructions in the instructions in the instructions in the instructions in the instructions index resistance incover and instructions incover	CE symbol (see declaration of conformity)	according to EU-EMV guideline
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O-Link, Service data contents IN 32 bit Force 32 bit Position 32 bit Speed		
32 bit Position 32 bit Speed		
32 bit Speed	IO-Link, Service data contents IN	
O-Link, minimum cycle time 1 ms		
	IO-Link, minimum cycle time	1 ms

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Feature	Value
IO-Link, data memory required	0.5 Kilobyte
Max. line length	15 m outputs
	15 m inputs
	20 m with IO-Link operation
Switching logic, outputs	NPN (negative switching)
	PNP (positive-switching)
Input circuit logic	NPN (negative switching)
	PNP (positive-switching)
Logic interface, connection type	Plug
Logic interface, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Logic interface, number of poles/wires	8
Logic interface, connection pattern	00992264
Mounting type	with internal (female) thread
	with accessories
Materials note	Conforms to RoHS
Material housing	Smooth-anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material spindle nut	Steel
Material spindle	Roller bearing steel