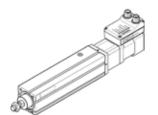
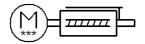
electric cylinder unit EPCS-BS-60-300-12P-A-ST-M-H1-PLK-AA Part number: 8118301







Data sheet

Feature	Value
Size	60
Stroke	300 mm
Stroke reserve	0 mm
Piston rod thread	M12x1,25
Reversing backlash	100 μm
Spindle diameter	12 mm
Spindle pitch	12 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
	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
	Integrated precise CMOS temperature sensor with analogue output
Additional functions	User interface
	Integrated end-position sensing
Display	LED
Ready status display	LED
Max. acceleration	5 m/s2
Max. speed	0.22 m/s
Speed "Speed press"	0.01 m/s
Repetition accuracy	±0,02 mm
Digital logic output characteristics	configurable
	Not electrically isolated
Duty cycle	100 %
Insulation protection class	В
Max. current, digital logic outputs	100 mA
Max. current consumption	5.3 A
Max. current consumption, logic	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	Plug
Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111



Power supply, number of prins/wires Authorization RC mark CC symbol (see declaration of conformity) RC mark RC	Feature	Value
Authorization KC mark KC mark KC Estyrbol (see declaration of conformity) Baccordinary to EU-EMY guideline in accordance with EU RoHS directive 10 UK marking (see declaration of conformity) UK Amarking (see declaration of conformity) Vibration resistance Brooks 12 UK (SM ISI Instructions for EMC 10 UK (SM ISI Instructions) Vibration resistance Concolon resistance Concolon resistance classification CRC On No corresion steess PMS Conformity VMA2246 a zone III Concolon dass Shock test with severity level 1 in accordance with PN 942017-5 and EN 60068-2-7 Correction resistance classification CRC On No corresion steess PMS Conformity VMA2246 a zone III Concolon dass Shock test with severity level 1 in accordance with PN 942017-5 and EN 60068-2-7 Correction resistance classification CRC On No correction steess Shock test with severity level 1 in accordance with PN 942017-5 and EN 60068-2-7 Correction resistance classification CRC On No correction steess Shock test with severity level 1 in accordance with PN 942017-5 and EN 60068-2-7 Correction resistance classification CRC On No correction steess Shock test with severity level 1 in accordance with PN 942017-5 and EN 60068-2-7 Correction resistance classification CRC On No correction stees III Continue of the Continue of the Continue of Continue	Power supply, number of pins/wires	4
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60068-277		EN 60068-2-6
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		32 bit Speed
	IO-Link, minimum cycle time	



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