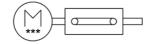
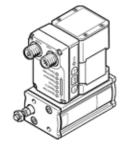
electric cylinder unit EPCE-TB-60-10-FL-ST-M-H1-PLK-AA Part number: 8102163







Data sheet

Value
10.18 mm
60
10 mm
0 mm
M10x1,25
0.375 %
2 mm
Any
Male thread
Stepper motor
Motor encoder
Electric cylinder
With toothed belt
With integrated drive
with plain-bearing guide
Fixed stop block positive
Fixed stop block negative
Absolute single turn encoder
Magnetic
Shutdown at over-temperature
Integrated precise CMOS temperature sensor with analogue output
User interface
Integrated end-position sensing
LED
LED
9 m/s2
0.6 m/s
0.02 m/s
±0,05 mm
configurable
Not electrically isolated
100 %
В
100 mA
5.3 A
300 mA
24 V
5.3 A
IO-Link
User interface
16 Bit
+/- 15 %
Plug
M12x1, T-coded to EN 61076-2-111
4



Feature	Value
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
	To UK RoHS instructions
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 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Storage temperature	-20 60 °C
Relative air humidity	0 - 90 %
Protection class	IP40
Safety class	III
Ambient temperature	0 50 °C
Note on ambient temperature	Above an ambient temperature of 30 °C, the power must be reduced by 2% per K.
Impact energy in end positions	0.016 J
Max. torque Mx	0 Nm
Max. torque My	1 Nm
Max. torque Mz	1 Nm
Max. feed force Fx	150 N
Reference value for working load, horizontal	10 kg
Reference value for working load, vertical	5 kg
Feed constant	32 mm/U
Reference value, running performance	100 km
Maintenance interval	Life-time lubrication
Moving mass	198 g
Moving mass with 0 mm stroke	188 g
Additional mass factor per 10 mm of stroke	9.75 g
Product weight	1,396 g
Basic weight for 0 mm stroke	1,350 g
Additional weight per 10 mm stroke	46 g
Number of 24 V DC digital logic outputs	2
Number of digital logic inputs	2
Specification, logic input	Based on IEC 61131-2, type 1
Logic input working range	24 V
Logic input characteristics	configurable Not electrically isolated
IO-Link, SIO mode support	Yes
IO-Link, protocol	Device V 1.1
IO-Link, communication mode	COM3 (230.4 kbd)
IO-Link, port type	A
IO-Link, number of ports	1
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 Intermediate 1 bit
IO-Link, process data width IN	2 Byte
IO-Link, process data content IN	State In 1 bit
	State Out 1 bit
	State Move 1 bit
	State Device 1 bit
	State Intermediate 1 bit
IO-Link, Service data contents IN	Speed 32 bit
	Position 32 bit
	Force 32 bit
IO-Link, minimum cycle time	1 ms
IO-Link, data memory required	0.5 Kilobyte



Feature	Value
Max. line length	15 m outputs
	15 m inputs
	20 m with IO-Link operation
Switching logic, outputs	PNP (positive-switching)
Input circuit logic	PNP (positive-switching)
IO-Link, connection technology	Plug
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 cover	Anodised wrought aluminium alloy
Material housing	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material toothed belt	Polychloroprene with glass fibres