

Integrated Drive EMCA-EC-67-M-1TM-CO - Festo 8034241

Item no. FES-8034241 Manufacturer Festo EAN 4052568283568

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

HS-Code	85013100
Schutzart	IP54
Weight	2.5 kg



STANDARDS & COMPLIANCE

EN 60068-2-6 EN 60068-2-27 IEC 61131-2

DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

Operating mode controller	PWN, MOSFET power end level P position controller Cascade controller with PI speed controller Proportional and integral controller for current
Rotor position transducer	Encoder absolut multi turn
Rotor position transducer measurement principle	Magnetic
Protection function	I ² t monitoring Drag error monitoring Software endpoint detection Voltage blackout detection Current monitoring Temperature monitoring
Safety function	Safe switched off torque (STO)
Safety Integrity Level (SIL)	Safe switched off torque (STO) / SIL 2
Performance Level (PL)	Safe Torque off (STO) / category 3, Performance Level d

Display	LED
Max. speed [1/min]	3.300
Nominal rotational speed [1/min]	3.150
Braking resistance, external [Ohm]	6
Diagnose degree of coverage [%]	90
Properties digital logic outputs	Partially freely configurable Not galvanically separated
Hardware error tolerance	1
Max. current digital logic outputs [mA]	100
Max. positive test impulse at 0 signal [μs]	10.000
Max. negative test impulse for 1 signal [μs]	600
Nominal performance motor [W]	150
Nominal voltage DC [V]	24
Nominal current [A]	6,9
Parameterising interface	Ethernet
Report	CANopen
SFF Safe Failure Fraction [%]	> 90 %
Max. number of movement sets	64
Rotor position transducer resolution [Bit]	12
Peak performance motor [W]	200
Peak current [A]	10,3
Permitted voltage oscillations	± 20 %
Permission	RCM mark c UL us - Recognized (OL)
KC-mark	KC-EMV
Certified awarding point	UL E331130 TÜV 01/205/5514.00/16
CE certificate (see declaration of conformity)	to EU EMC directive to EU machinery directive
Oscillation strength	Transport use test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with degree of severity 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistant class KBK	1 - low corrosion stress
Bearing temperature [°C]	-25 to 70
Relative humidity	0 - 95 % Not condensing
Protection category	IP54
ambient temperature [°C]	0 to 50
Information about ambient temperature	Above an ambient temperature of 20 °C, a power reduction of 1.75 % per °C.

Mass inertia Rotor [kg/cm²]	0,301
Nominal torque [Nm]	0,45
Peak torque [Nm]	0,91
Permitted axial shaft loading [N]	60
Permitted radial shaft loading [N]	100
Probability of Failure per Hour in [1/h].	1e-009
PED (Probability of failure on demand)	1.86e-005
Proof test interval [A]	20
Product weight [g]	2.285
Quantity digital logic outputs 24 V DC	2
Quantity digital logic inputs	2
Communication profile	CiA402 FHPP
Logic input specification	Depending on IEC 61131-2
Work area logic input [V]	24
Properties logic inputs	Galvanically connected with logic potential
Ethernet supported protocols	TCP/IP
Switching logic inputs	PNP (Positive switching)
Switching logic outputs	PNP (Positive switching)
Fastening type	With throughway bores Permanently screwed
Material information	LABS containing materials included RoHs compliant
Operating duration absolute value encoder	mit externer Batterie: 6 Monate ohne externe Batterie: 3 - 7 Tage