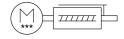
Electric cylinder unit EPCS-BS-60-100-12P-A-ST-M-H1-PLK-AA

FESTO

Part number: 8118297





General operating condition

Data sheet

Feature	Value
Size	60
Stroke	100 mm
Stroke reserve	0 mm
Piston rod thread	M12x1.25
Reversing backlash	100 μm
Screw diameter	12 mm
Spindle pitch	12 mm/U
Max. angle of rotation of the piston rod +/-	1 deg
Mounting position	Any
Piston rod end	External thread
Motor type	Stepper motor
Structural design	Electric actuator with ball screw drive With integrated drive
Spindle type	Ball screw drive
Symbol	00997294
Protection against torsion/guide	With plain-bearing guide
Homing	Fixed stop block positive Fixed stop block, negative Reference switch
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
Ready status indication	LED
Max. acceleration	5 m/s ²
Max. speed	0.22 m/s
Speed "Speed Press"	0.01 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	5300 mA

Logic mas. current consumption	Feature	Value
Nominal current S. 3.A	Logic max. current consumption	0.3 A
Parameterization interface Rotor position sensor resolution 16 bit Permissible vottage fluctuations A-/- 15 % Power supply, per of connection Plug Power supply, connection technology M1241, Fooded as per EN 61076-2-111 Power supply, connection technology M241, Fooded as per EN 61076-2-111 Power supply, connection pattern 00995989 Certification RC Commission emark RC Emarking (see declaration of conformity) M242, Fooded as per EN 61076-2-111 RC Characters CE marking (see declaration of conformity) M342, Per EU BMC directive As per EU BMC directive BC MC Complainer mark RC MC MC Complainer mark RC MC Complainer RC	DC nominal voltage	24 V
Descriptorian sensor resolution	Nominal current	5.3 A
Retor position sensor resolution Feminisable voltage fluctuations -/-15 % Power supply, top of connection Plug Power supply, power for finish wites -/-15 % Mizal, 1-coded as per EN 61076-2-111 Power supply, connection technology Mizal, 1-coded as per EN 61076-2-111 Power supply, connection pattern	Parameterization interface	IO-Link®
Permissible voltage fluctuations // -15 % Power supply, tope of connection checknology Mi2a.1, Fodded as per EN 61076-2-111 Power supply, connection pattern 000995989 Certification RCM Compliance mark KC characters KC Emarking (See declaration of conformity) As per EU ENC directive As per EU Rois Girective UKCA marking (See declaration of conformity) As per EU Rois Girective UKCA marking (See declaration of conformity) To LK instructions for EMC Conformity (See See See See See See See See See Se		User interface
Power supply, type of connection Chrology Power supply, connection technology M12x1, T-coded as per EN 61076-2-111 Powers supply, connection technology M2x1, T-coded as per EN 61076-2-111 Degrees supply, connection pattern O0999999 Certification RCM compilance mark KC EMC CE marking (see declaration of conformity) As per EU BMC directive As per EU BMC directive As per EU BMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC UKCA marking (see declaration of conformity) To UK Rent's instructions Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance (lass (CRC) O No corrosion stress LLSS (PWIS) conformity Vibration resistance (lass (CRC) Corrosion resistance (lass (CRC) Corrosion oresistance class (CRC) O No corrosion stress LLSS (PWIS) conformity Vibration resistance (lass (CRC) Corrosion resistance (lass (CRC) O No corrosion stress LLSS (PWIS) conformity Vibration resistance (lass (CRC) O No corrosion stress LLSS (PWIS) continue the presentative (lass (lass of according to 150 14644-1 Storage temperature O 0°C 60°C Realtwe air humidity O 90°S Non-condensing Degree of protection IPA0 Protection class III Ambient temperature O °C 50°C Note on ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx Mx. t	Rotor position sensor resolution	16 bit
Power supply, connection technology M12x1, T-coded as per EN 61076-2-111 Power supply, connection pattern 00999599 Cartification KC characters KC EMA CE marking (see declaration of conformity) As per EU ENG directive As per EU AC directive As per EU AC directive As per EU AC directive As per EU ENG directive As per EU AC dir	Permissible voltage fluctuations	+/- 15 %
Power supply, number of pins/wires Power supply, connection pattern O0995999 Certification RCM compliance mark KC characters KC Emarking (see declaration of conformity) As per EU EMC directive As even an ambient temperature As even an ambient temperature of 30°C, the power must be reduced by 25% per K. As torque My A	Power supply, type of connection	Plug
Power supply, connection pattern Certification RCM compliance mark Cc characters RC Emarking (see declaration of conformity) As per ELL BMC directive As per ELL BMC directive UKCA marking (see declaration of conformity) As per ELL BMC directive UKCA marking (see declaration of conformity) To LK instructions for EMC T	Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111
Certification RCM compliance mark KC characters KC EMC CE marking (see declaration of conformity) As per EU BMC directive As per EU RMC directive	Power supply, number of pins/wires	4
KC characters KC Emarking (see declaration of conformity) As per EU RMC directive As per EU RMC direct	Power supply, connection pattern	00995989
EE marking (see declaration of conformity) As per EU RMC directive As per EU RMC directive As per EU RMS directive Wax marking (see declaration of conformity) To UK instructions for FMC To UK RMIS instructions To UK RMIS instructions To UK RMIS instructions Transport a publication fest with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance class (CRC) O - No corrosion sitess Corrosion resistance class (CRC) UMM2 4364 zone III Clearnoom class Class 9 according to ISO 14644-1 Clearnoom class Class	Certification	RCM compliance mark
As per EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC TO UK RoHS instructions Transport application test with severity level 1 as per FN 942017-4 and EN 600068-2-6 Shock resistance Shock resistance Shock resistance class (CRC) O - No corrosion stress Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrocion resistance class (CRC) O - No corrosion stress Class 9 secording to ISO 14644-1 Storage temperature 1-20 °C 60 °C Relative air humidity O - 90 % Non-condensing Degree of protection P40 Protection class III Ambient temperature O °C 50 °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 Mx O Nm Max. torque Mx O A Nm Max. torque Mx A CA Nm A CA N	KC characters	KC EMC
To UK ROHS instructions	CE marking (see declaration of conformity)	
EN 60068-2-6 Shock resistance Shock resistance Shock resistance class (CRC) O-No corrosion stress LABS (PWIS) conformity VDMA24364 zone III Cleanroom class Class 9 according to ISO 14644-1 Storage temperature -20 °C60 °C Relative air humidity O-90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature O°C50 °C Note on ambient temperature Above an ambient temperature O°C50 °C Nate on ambient temperature ONMMAX. torque MX ONMMAX. torque MX ONMMAX. torque MY OA. MMAX. torque MX OA.	UKCA marking (see declaration of conformity)	
Corrosion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMAZ4364 zone III Cleanroom class Class 9 according to ISO 14644-1 Storage temperature -20°C60°C Relative air humidity O -90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature O °C50°C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 23°s per K. Max. torque Mx O Nm Max. torque Mx O Nm Max. torque My 6.4 Nm Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal Guide value for payload, horizontal Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 305 g Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke 10 gis input specification Based on IEC 61131-2, type 1 Work range of logic input Configurable Not galvanically isolated Not galvanically isolated Ol-Link®, protocol version Device V 1.1 Ol-Link®, protocol version Ol-Link®, protoclass A	Vibration resistance	
LABS (PWIS) conformity Cleanroom class Class 9 according to ISO 14644-1 Storage temperature -20 °C 60 °C Relative air humidity 0 -90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature 0 °C 50 °C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. radial force on actuator shaft 230 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical Maintenance interval Life-time lubrication Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight tery 10 mm stroke Additional weight per 10 mm stroke Additional moving maso are 10 mm stroke Additional moving maso are 10 mm stroke Additional movin	Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Clean pour class Class 9 according to ISO 14644-1 Storage temperature -20 °C 60 °C Relative air humidity 0 -90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature 0 °C 50 °C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx Max. torque My 6.4 Mm Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. torque Mz 6.5 kg Guide value for payload, horizontal 56 kg Guide value for payload, vertical Maintenance interval Life-time lubrication Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 4dditional moving mass per 10 mm stroke Additional weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight logic inputs 2 Venumber of digital logic uptus 24 V DC 2 Number of digital logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Pes Ol-Link®, protocol version Device V 1.1 Ol-Link®, protocol version Device V 1.1 Ol-Link®, portoclass A PO Classes A Classes A Classes Classes Classes A Communication mode Ol-Link®, portoclass	Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature -20 °C 60 °C Relative air humidity 0 -9 0 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature 0 °C 50 °C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx 0 Nm Max. torque Mx 6.4 Nm Max. torque My 6.4 Nm Max. torque Mz 6.5 kg Guide value for payload, horizontal 56 kg Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Moving range of logic input 24 V Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SiO mode support Yes IO-Link®, portocol version Device V 1.1 IO-Link®, portocol cases A	LABS (PWIS) conformity	VDMA24364 zone III
Relative air humidity Degree of protection Degree of protection Protection class III Ambient temperature O ° C 50 ° C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. torque Mz 6.4 Nm Max. torque Mz 6.5 Nm Max. force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal Guide value for payload, horizontal Iffe-time lubrication Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight with 0 mm stroke Additional weight per 10 mm stroke	Cleanroom class	Class 9 according to ISO 14644-1
Degree of protection P40 Protection class III Ambient temperature 0°C 50°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 6.4 Nm Max. torque Mz 6.4 Nm Max. radial force on actuator shaft 230 N Max. redial force on actuator shaft 230 N Max. teed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input 24 V Characteristics of logic input Configurable Not galvanically isolated IO-Link®, 510 mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	Storage temperature	-20 °C 60 °C
Protection class III Ambient temperature O °C 50 °C Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6.5 g Product weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC Number of digital logic inputs Logic input specification Work range of logic input Configurable Not galvanically isolated Ochink®, SIO mode support Ochink®, port class A	Relative air humidity	
Ambient temperature Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Nax. torque Mx O Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Degree of protection	IP40
Above an ambient temperature 2% per K. Max. torque Mx 0 Nm Max. torque My 6.4 Nm Max. torque Mz 6.5 Nm Max. torque Mz 6.5 Nm Max. torque Mz 6.4 Nm Max. torque Mz 6.5 Nm Max. torque Mz 75 Nm Guide value for payload, horizontal 75 Nm Guide value for payload, vertical 18 kg Maintenance interval 18 kg Maintenance interval 19 Life-time lubrication 18 Nm Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 24 V DC 2 Characteristics of logic input 24 V Characteristics of logic input 24 V Characteristics of logic input 24 V Characteristics of logic input 27 Yes IO-Link®, SIO mode support Yes IO-Link®, port class A	Protection class	III
2% per K. Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. roque Mz 6.4 Nm Max. roque force on actuator shaft 230 N Max. feed force Fx Guide value for payload, horizontal 56 kg Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 4 V Characteristics of logic input Characteristics of logic input Ves Uchink®, SIO mode support Ves Uchink®, protocol version Device V 1.1 U-Link®, port class A	Ambient temperature	0 °C 50 °C
Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 22 Uogic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Vot galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, port class A	Note on ambient temperature	
Max. torque Mz Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Product weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC Number of digital logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Ves IO-Link®, protocol version Device V 1.1 IO-Link®, port class A Miss Mg Agree A	Max. torque Mx	0 Nm
Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Max. torque My	6.4 Nm
Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 56 kg Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Max. torque Mz	6.4 Nm
Guide value for payload, horizontal Guide value for payload, vertical 18 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class		
Guide value for payload, vertical Maintenance interval Life-time lubrication Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6.5 g Product weight Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, rorotcol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Max. feed force Fx	375 N
Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke 69 g Number of digital logic outputs 24 V DC Number of digital logic inputs 20 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input 24 V Characteristics of logic input Characteristics of logic input Ves IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Guide value for payload, horizontal	56 kg
Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6.5 g Product weight 2984 g Basic weight with 0 mm stroke Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Guide value for payload, vertical	18 kg
Additional moving mass per 10 mm stroke Product weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input 24 V Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Maintenance interval	Life-time lubrication
Product weight 2984 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input 24 V Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Yes IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	Moving mass at 0 mm stroke	305 g
Basic weight with 0 mm stroke Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, port class A	Additional moving mass per 10 mm stroke	6.5 g
Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A	Product weight	2984 g
Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A		
Number of digital logic outputs 24 V DC Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A		69 g
Number of digital logic inputs 2 Logic input specification Based on IEC 61131-2, type 1 Work range of logic input 24 V Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A		
Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A		
Work range of logic input Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A		Based on IEC 61131-2, type 1
Characteristics of logic input Configurable Not galvanically isolated IO-Link®, SIO mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A		
IO-Link®, SIO mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	·	
IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	IO-Link®, SIO mode support	,
IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A		
IO-Link®, port class A		
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Feature	Value
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	32 bit force 32 bit position 32 bit speed
IO-Link®, minimum cycle time	1 ms
IO-Link®, data memory required	500 byte
Max. cable length	15 m outputs 15 m inputs 20 m for IO-Link® operation
Switching logic at outputs	NPN (negative switching) PNP (positive switching)
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
Logic interface, connection pattern	00992264
Type of mounting	With internal thread With accessories
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy, smooth-anodized
Piston rod material	High-alloy stainless steel
Spindle nut material	Steel
Spindle material	Roller bearing steel