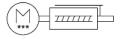
## Electric cylinder unit EPCS-BS-60-250-12P-A-ST-M-H1-PLK-AA

**FESTO** 

Part number: 8118300





## **Data sheet**

Feature	Value
Size	60
Stroke	250 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
Additional functions	User interface Integrated end-position sensing
Display	LED
Ready status indication	LED
Max. acceleration	5 m/s <sup>2</sup>
Max. speed	0.22 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
DC nominal voltage	24 V
Nominal current	5.3 A

User interface	Feature	Value
Rotor position sensor resolution 16 bit  Permissible voltage fluctuations 4-7-15 % Permissible voltage fluctuations 4-7-15 % Power supphy, connection technology MI221, 1 coded as per EN 61076 2-111 Power supphy, connection pattern 00995989 Certification RCM compliance mark (K.characters K.E.M.)  CE marking (see declaration of conformity) Repet U. Rotor discretive AS per EU EMC directive IVEX.  CE marking (see declaration of conformity) Rotor in the supplement of the State of EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions for EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions to EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions to EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions to EMC (IVEX.)  CE marking (see declaration of conformity) To UK instructions instructions to EMC (IVEX.)  CE MC (IVEX.)  CE marking (see declaration of conformity)	Parameterization interface	
Permissible voltage fluctuations -/.15 % Power supply, connection Plug Power supply, connection technology M12.1, T-coded as per EN 61076-2-111 Power supply, connection technology Power supply, connection pattern O0995989 Certification RCM compliance mark KC characters CE marking (see declaration of conformity) As per EU BNC directive As pe		
Power supply, type of connection Plus Power supply, manection technology MT2x1, T-coded as per EN 61076-2-111 Power supply, connection pattern O00995999 Certification RC M compliance mark KC EMC KC tharacteris KC EMC To LUK instructions for EMC To LUK instructions for EMC To LUK instructions for EMC To LUK ends the supplication test with severity level 1 as per FN 942017-4 and EM 60068-2-6 EM 60068-2-6 Shock resistance Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O No corrosion stress LABS (PWIS) conformity VDM24364 acroe III Storage temperature 20 °C 60 °C Relative at humidity O .90 % Manual temperature O °C 50 °C No committed temperature O °C 50 °C Manual temperature O °C 50 °C O Minual temperature O °C 50 °C O °C 50 °C O °C		
Power supply, connection technology  M12x1, T coded as per EN 61076 2-111  Power supply, number of pins/wires  4  Power supply, number of pins/wires  00995/899  Certification  KC characters  CE marking (see declaration of conformity)  To LUK and the per LU ENC directive As per LU ENC directive As per LU ENC directive As per LU Rolls directive IUK.A marking (see declaration of conformity)  To LUK Routs instructions for ENC To LUK Routs instructions for ENC To LUK Routs instructions  Transport application test with severity level 1 as per FN 94/2017-4 and EN 60/068-2-6  Shock testistance  Shock testistance (Shock CO)  On No corrosion stress  Shock testistance (Shock CO)  On No corrosion stress  Storage temperature  Power of protection  Page Power of protection  Page Power of protection  Ambient temperature  Or C 50 °C  Rolative air humidity  Or 90% Non-condensing  Degree of protection  Page Power of protection  Page Power of protection  Ambient temperature  Or C 50 °C  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature  Or C 50 °C  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature  Or C 50 °C  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note on ambient temperature of 30°C, the power must be reduced by 25° per K.  Note of the power of 30°C, the power must be reduced by 25° per K.  On Minusch of 30°C, the power must be reduced by 25° per K.  On Minu		· ·
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KC characters  KC Emarking (see declaration of conformity)  As per EU BMC directive AS DMC RASH SINTACCIONS TO LIK RASH SINTACCIONS TO LIK RASH SINTACCIONS TENSPORT application test with severity level 1 as per FN 942017-5 and EN 60068-2-72 Corrosion resistance Class (CRC)  O No corrosion stress ALBAS (PMIS) conformity  VDMA24364 ame III  Storage temperature  -20 °C 60 °C Relative air humidity Non-condensing  Degree of protection  IPA0 Ambient temperature  -20 °C 50 °C Non-condensing  Degree of protection  IPA0 Ambient temperature -20 °C 50 °C Non-condensing  Degree of protection  IPA0 Ambient temperature -20 °C 50 °C Non-condensing  Degree of protection  IPA0 Ambient temperature -20 °C 50 °C Non-condensing  Degree of protection -22 °S per K.  Max. torque Mx -23 °S °C Nose on ambient temperature of 30°C, the power must be reduced by 28 per K.  Max. torque Mx -24 °S per K.  Max. torque Mx -25 °C Nose on ambient temperature of 30°C, the power must be reduced by 28 per K.  Max. torque Mx -28 °S °C -29 °S °C -20		
CE marking (see declaration of conformity)  As per EU RMC directive As per EU RMS directive WCA marking (see declaration of conformity)  To UK instructions for EMC To UK RoHS instructions To UK RoHS instructions To UK RoHS instructions Transport a papillaction feet with severity level 1 as per FN 942017-4 and EN 60068-2 of Shock resistance Shock resistance Shock resistance class (CRC) O - No corrosion stress Corrosion resistance class (CRC) O - No corrosion stress Corrosion resistance class (CRC) O - No corrosion stress Corrosion resistance class (CRC)  LABS (PMS) conformity VDMA24364 zone III  Storage temperature O - 90 % Non-condensing Pegree of protection IP40 Ambient temperature O - 0 - 90 % Non-condensing Degree of protection Ambient temperature O - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Certification	· · · · · · · · · · · · · · · · · · ·
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To UK RoHS Instructions   Transport application test with severity level 1 as per FN 942017-4 and FN 60068-2-6   Shock resistance   Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-6   Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 (Corrosion resistance class (CRC)   O - No corrosion stress   VDMA24364 zone III   Storage temperature   -20 °C 60 °C   Relative air humidity   O -90 °S   Non-condensing   PlaQ	CE marking (see declaration of conformity)	
El 60068-2-6 Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) O No corrosion stress  LABS (PWIS) conformity VDMA24364 zone III Storage temperature 2-0 °C. 60 °C Relative air humidity Non-condensing  Degree of protection IP40 Ambient temperature Note on ambient temperature Note on ambient temperature Note on ambient temperature Note on ambient temperature Nax. torque MX O N M Max. torque MX O N M Max. torque MY 6-4 Nm Max. rotque My 6-4 Nm Max. rotque My 6-5 kg Suide value for payload, horizontal Soide value for payload, horizontal Soide value for payload, horizontal Soide value for payload, norizontal Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke Additional weigh	UKCA marking (see declaration of conformity)	
Corrosion resistance class (CRC)  O - No corrosion stress  VDMA23564 zone III  VDMA23564 zone III  VDMA23664 zone III  PAO  Relative air humidity  O - 90 % Non-condensing  Degree of protection  IPAO  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.  Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2% per K.  Max. torque Mx  O N m  Max. torque My  6.4 Nm  Max. rorque Mz  6.4 Nm  Max. red force Fx  375 N  Guide value for payload, horizontal  Suide value for payload, horizontal  Suide value for payload, vertical  18 kg  Moving mass at 0 mm stroke  Additional moving mass per 10 mm stroke  Additional moving mass per 10 mm stroke  4019 g  Basic weight with 0 mm stroke  Additional weight per 10 mm stroke  199 g  Number of digital logic outputs 24 V DC  2  Number of digital logic outputs 24 V DC  2  Number of digital logic input  Configurable Not galvanically isolated  Not galvanically isolated  Not galvanically isolated  10-Link®, SIO mode support  10-Link®, protecol version  Device V 1.1  Cl-Link®, process data width OUT  2 Byte  10-Link®, process data content OUT  1 bit (move in)  1 bit (move out)	Vibration resistance	
LABS (PWIS) conformity  VDMA24364 zone III  Storage temperature  -20 °C 60 °C  -90 °S  Non-condensing  Degree of protection  IP40  Ambient temperature  0°C 50 °C  Note on ambient temperature  Above an ambient temperature of 30°C, the power must be reduced by 2°S per K.  Max. torque Mx  As torque My  6.4 Mm  Max. torque My  6.4 Mm  Max. torque My  6.5 A Mm  Max. torque My  6.6 A Mm  Max. forque My  6.6 A Mm  Max. forque My  6.7 S Mm  Max. forque My  6.8 A Mm  Max. forque My  6.9 B Moving mass per 10 mm stroke  4019 g  Basic weight with 0 mm stroke  4010 g  4	Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Storage temperature -20 °C 60 °C 90 °C 80 °C 80 °C 90 °S 80 °C 90 °S 80 °C 90 °S 80 °C 90 °C	Corrosion resistance class (CRC)	0 - No corrosion stress
Relative air humidity  Degree of protection  Ambient temperature  O °C50 °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 Mz  6.4 Nm  Max. torque Mz  6.4 Nm  Max. roadial 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  Moving mass at 0 mm stroke  305 g  Additional moving mass per 10 mm stroke  4019 g  Basic weight with 0 mm stroke  4019 g  Basic weight with 0 mm stroke  409 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  O'-Link®, proteool version  Device V 1.1  Ol-Link®, port colass  Ol-Link®, port class  In lith (move out)  Link (move in)  Link (move out)	LABS (PWIS) conformity	VDMA24364 zone III
Non-condensing  Degree of protection  Note on ambient temperature  Note on ambient temperature  Note on ambient temperature  Note on ambient temperature of 30°C, the power must be reduced by 2% per K.  Max. torque Mx  Nax. torque My  As. torque My  As. torque My  As. torque Mz  As. torque	Storage temperature	-20 °C 60 °C
Ambient temperature Note on ambient temperature 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 Mz 6.4 Nm Max. roadial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 6uide value for payload, vertical 18 kg Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 4019 g Basic weight with 0 mm stroke 305 g Additional weight per 10 mm stroke 60 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 22 V Novik range of logic input Characteristics of logic input Characteristics of logic input Characteristics of logic input Chink®, SlO mode support Yes 10-Link®, Orondes upport 11-Link®, protects data width OUT 10-Link®, process data width OUT 10-Link®, process data content OUT 1 bit (move in) 1 bit (move out)	Relative air humidity	
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  Guide value for payload, vertical  Moving mass at 0 mm stroke  Additional moving mass per 10 mm stroke  6.5 g  Product weight  4019 g  Basic weight with 0 mm stroke  404 gigital logic outputs 24 V DC  2 Number of digital logic inputs  Characteristics of logic input  Characteristics of logic input  Characteristics of logic input  Ol-Link®, SIO mode support  Ol-Link®, protocol version  Ol-Link®, communication mode  Ol-Link®, number of ports  1 loit (move in)  1 bit (move out)  1 bit (move out)  1 bit (move out)  1 bit (move out)  1 bit (move in)  1 bit (move out)  1 bit (move in)  1 bit (move out)  1 bit (move out)  1 bit (move out)  1 bit (move out)	Degree of protection	IP40
2% per K.  Max. torque Mx  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  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  24 V  Characteristics of logic input  Characteristics of logic input  10-Link®, SIO mode support  10-Link®, protocol version  10-Link®, protocess data content OUT  1 bit (move out)	Ambient temperature	0 °C 50 °C
Max. torque My  Max. torque Mz  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  Moving mass at 0 mm stroke  Additional moving mass per 10 mm stroke  Additional moving mass per 10 mm stroke  2294 g  Additional weight per 10 mm stroke  369 g  Number of digital logic outputs 24 V DC  2  Number of digital logic inputs  22 to 24 V  Characteristics of logic input  Configurable Not galvanically isolated  Not galvanically isolated  10-Link®, SIO mode support  10-Link®, protocol version  10-Link®, process data width OUT  2 byte  10-Link®, process data width OUT  2 byte  10-Link®, process data content OUT  1 bit (move out)  1 bit (move out)  1 bit (move out)  1 bit (move out)  1 bit (quit error)	Note on ambient temperature	
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  Moving mass at 0 mm stroke  Additional moving mass per 10 mm stroke  6.5 g  Product weight  Basic weight with 0 mm stroke  4019 g  Basic weight with 0 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  Characteristics of logic input  O'Link®, SIO mode support  Yes  10-Link®, protocol version  Device V 1.1  O'Link®, protocss data width OUT  2 Byte  O'Link®, process data content OUT  1 bit (move out) 1 bit (quit error)	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  8 kg  Moving mass at 0 mm stroke  305 g  Additional moving mass per 10 mm stroke  6.5 g  Product weight  4019 g  Basic weight with 0 mm stroke  69 g  Number of digital logic outputs 24 V DC  2  Number of digital logic input  Characteristics of logic input  Characteristics of logic input  Characteristics of logic input  Ot-Link®, SIO mode support  Ves  IO-Link®, protocol version  Device V 1.1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  Link®, process data content OUT  Link (max in max	Max. torque My	6.4 Nm
Max. feed force FX Guide value for payload, horizontal Guide value for payload, vertical 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 Basic weight with 0 mm stroke Additional weight per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke Addit	Max. torque Mz	6.4 Nm
Guide value for payload, horizontal  Guide value for payload, vertical  Moving mass at 0 mm stroke  Additional moving mass per 10 mm stroke  Additional moving mass per 10 mm stroke  Basic weight with 0 mm stroke  Additional weight per 10 mm stroke  Additional weight per 10 mm stroke  69 g  Number of digital logic inputs  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  Characteristics of logic input  Work protocol version  IO-Link®, SIO mode support  Ves  IO-Link®, protocol version  Device V 1.1  IO-Link®, number of ports  A  IO-Link®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  I bit (move out)	Max. radial force on actuator shaft	230 N
Guide value for payload, vertical  Moving mass at 0 mm stroke  Additional moving mass per 10 mm stroke  Additional moving mass per 10 mm stroke  Product weight  Basic weight with 0 mm stroke  Additional weight per 10 mm stroke  Based on IEC 61131-2, type 1  Logic input specification  Based on IEC 61131-2, type 1  Configurable Not galvanically isolated  IO-Link®, SIO mode support  Yes  IO-Link®, protocol version  Device V 1.1  IO-Link®, port class  A  IO-Link®, port class  A  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Max. feed force Fx	375 N
Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6.5 g  Product weight 4019 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 Characteristics of logic input Configurable Not galvanically isolated Not galvanically isolated  IO-Link®, SIO mode support Yes IO-Link®, protocol version Device V 1.1  COM3 (230.4 kBd) IO-Link®, port class A IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT 1 bit (move out) 1 bit (move out) 1 bit (quit error)	Guide value for payload, horizontal	56 kg
Additional moving mass per 10 mm stroke Product weight 4019 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 Characteristics of logic input Ves  IO-Link®, SIO mode support Ves IO-Link®, protocol version Device V 1.1  IO-Link®, port class A  IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT 1 bit (move in) 1 bit (move out) 1 bit (move out) 1 bit (quit error)	Guide value for payload, vertical	18 kg
Product weight  Basic weight with 0 mm stroke  Additional weight per 10 mm stroke  89 g  Number of digital logic outputs 24 V DC  2 Number of digital logic inputs  Logic input specification  Based on IEC 61131-2, type 1  Work range of logic input  Configurable Not galvanically isolated  10-Link®, SIO mode support  Ves  10-Link®, protocol version  10-Link®, port class  A  10-Link®, port class  A  10-Link®, process data width OUT  2 Byte  10-Link®, process data content OUT  1 bit (move out) 1 bit (quit error)	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  Yes  IO-Link®, protocol version  Device V 1.1  IO-Link®, communication mode  COM3 (230.4 kBd)  IO-Link®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	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  Logic input specification  Based on IEC 61131-2, type 1  Work range of logic input  Configurable Not galvanically isolated  IO-Link®, SIO mode support  Yes  IO-Link®, protocol version  Device V 1.1  IO-Link®, port class  A  IO-Link®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move out) 1 bit (move out) 1 bit (quit error)	Product weight	4019 g
Number of digital logic outputs 24 V DC  Number of digital logic inputs  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  IO-Link®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Basic weight with 0 mm stroke	2294 g
Number of digital logic inputs  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  IO-Link®, port class  A  IO-Link®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Additional weight per 10 mm stroke	69 g
Logic input specification  Based on IEC 61131-2, type 1  Work range 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®, number of ports  I  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Number of digital logic outputs 24 V DC	2
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  IO-Link®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Number of digital logic inputs	2
Characteristics of logic input  Configurable Not galvanically isolated  Yes  IO-Link®, protocol version  Device V 1.1  IO-Link®, communication mode  COM3 (230.4 kBd)  IO-Link®, port class  A  IO-Link®, number of ports  I  IO-Link®, process data width OUT  IO-Link®, process data content OUT  Device V 1.1  IO-Link®, process data content OUT  Device V 1.1  IO-Link®, port class  A  IO-Link®, number of ports  I IO-Link®, process data content OUT  Device V 1.1  I bit (move in) I bit (move out) I bit (quit error)	Logic input specification	Based on IEC 61131-2, type 1
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®, number of ports  1  IO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Work range of logic input	24 V
IO-Link®, protocol version  IO-Link®, communication mode  COM3 (230.4 kBd)  IO-Link®, port class  A  IO-Link®, number of ports  I UO-Link®, process data width OUT  2 Byte  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	Characteristics of logic input	
IO-Link®, communication mode  COM3 (230.4 kBd)  IO-Link®, port class  A  IO-Link®, number of ports  IO-Link®, process data width OUT  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	IO-Link®, SIO mode support	Yes
IO-Link®, communication mode  COM3 (230.4 kBd)  IO-Link®, port class  A  IO-Link®, number of ports  IO-Link®, process data width OUT  IO-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	IO-Link®, protocol version	Device V 1.1
10-Link®, number of ports 10-Link®, process data width OUT 2 Byte 10-Link®, process data content OUT 1 bit (move in) 1 bit (move out) 1 bit (quit error)	IO-Link®, communication mode	COM3 (230.4 kBd)
IO-Link®, process data width OUT  2 Byte  10-Link®, process data content OUT  1 bit (move in) 1 bit (move out) 1 bit (quit error)	IO-Link®, port class	A
IO-Link®, process data content OUT  1 bit (move in)  1 bit (move out)  1 bit (quit error)	IO-Link®, number of ports	1
IO-Link®, process data content OUT  1 bit (move in)  1 bit (move out)  1 bit (quit error)	IO-Link®, process data width OUT	2 Byte
	IO-Link®, process data content OUT	1 bit (move in) 1 bit (move out)
	IO-Link®, process data width IN	2 Byte

Feature	Value
IO-Link®, process data content IN	1 bit (state device) 1 bit (state move) 1 bit (state in) 1 bit (state out)
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