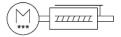
Electric cylinder unit EPCS-BS-60-100-12P-A-ST-M-H1-PLK-AA

FESTO

Part number: 8118297





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
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
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

CE marking (see declaration of conformity) As per EU Rick directive As per EU Rick directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK Rost Joint Survivors Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2 of Shock resistance Shock resistance Shock resistance (Shock Resistance) Corrosion resistance class (CRC) O - No corrosion stress Corrosion resistance class (CRC) O - No corrosion stress LABS (PMIS) conformity VDMA24364 zone III Storage temperature O - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Feature	Value
Rotor position sensor resolution 16 bit Permissible voltage fluctuations -/-15 % Power supply, to per Connection Plug Power supply, connection rethnology M12x1, Todded as per EN 61076 2-111 Power supply, connection pattern 00999989 RCM compliance mark RC Maccompliance RC Maccompliance RC Maccompliance RC Maccompliance RC Maccompliance RC Maccomplian	Parameterization interface	
Permissible voltage fluctuations -/.15 % Power supply, connection exhenology M124, T-coded as per EN 61076-2-111 Power supply, connection technology M241, T-coded as per EN 61076-2-111 Power supply, connection pattern O0995989 Certification RCM compliance mark KC characters CE marking (see declaration of conformity) As per EU BMC directive		
Power supply, type of connection Power supply, connection rectinology MT2x1, T-coded as per EN 61076-2-111 Power supply, connection pattern O0099899 Certification RCM compliance mark KC-EMC K		
Power supply, connection technology All 2x1, T coded as per EN 61076 2-111 Power supply, number of pins wires A 00995/89 Certification KC characters CE marking (see declaration of conformity) As per EU ENC directive As per EU EU ENC directive As per EU		·
Power supply, number of pins/wires A Power supply, connection pattern Coops supply, connection pattern Comparison of CRM compliance mark KC characters KC Emrking (see declaration of conformity) As per EU Roft5 directive As per EU Roft5 directive As per EU Roft5 directive It of UK instructions for EMC To UK instructions To UK instructions To UK Rofts instructions To No Occasion for EMC EN OOG68 2-6 Shock resistance Shock resistance Shock resistance Shock resistance Shock resistance class (CRC) O - No corrosion stress To Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364 20ne III Storage temperature 20 °C 60 °C Retaitive air humidity O - 90 % Non - condensing Degree of protection Ambient temperature O °C 50 °C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 2°C per Control on the protection on the		
Power supply, connection pattern Certification RCM compliance mark KC characters KC EMA CE marking (see declaration of conformity) RCA per EUL BMC directive As per EUL BMC directive INCA marking (see declaration of conformity) RCA m6068-2-6 RCA m6068-2-6 RCA m6068-2-6 RCA m6068-2-6 RCA m6068-2-6 RCA m6068-2-6 RCA marking see declaration of conformity RCA m6068-2-6 RCA marking see declaration of conformity RCA m6068-2-6 RCA		
Certification RCM compliance mark KC characters CC EMC KC EMACK CC EMACKING (see declaration of conformity) As per EU EM directive BUKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for EMC To UK Rot's instructions Transport application test with severity level 1 as per FN 942017-4 and consolor resistance Shock resistance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corosion resistance class (CRC) O - No corrosion stress LABS (PWIS) conformity VDMA2364 aren III Storage temperature 2-0° C 60° C Relative air humidity O .99 % 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. Max. torque Mx O Nm Max. torque My Max. torque My Max. and an experiment of the experiment of 30°C, the power must be reduced by 2% per K. Max. redial force on actuator shaft 230 N Max. red force Fx Guide value for payloa	· · · · · · · · · · · · · · · · · · ·	
KC Ehracters KC Emarking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK Instructions for EMC To UK ROHS instructions Utilization resistance Imansport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock resistance class (CRC) O No corrosion stress Corrosion resistance class (CRC) O No corrosion stress LABS (PWIS) conformity VDMA2/364 zone III Storage temperature 2-0 °C60 °C Relative air humidity O 90 % Non-condensing Degree of protection IP40 Ambient temperature O °C50 °C Note on 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 O Nm Max. torque Mx Max. torque Mx As As and inforce on actuator shaft O Nm Max. radial force on actuator shaft DABA: radial force on maturator shaft DABA: radial force on actuator		
CE marking (see declaration of conformity) As per EU Rick directive As per EU Rick directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK Rost Joint Survivors Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2 of Shock resistance Shock resistance Shock resistance (Shock Resistance) Corrosion resistance class (CRC) O - No corrosion stress Corrosion resistance class (CRC) O - No corrosion stress LABS (PMIS) conformity VDMA24364 zone III Storage temperature O - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -		·
As per EU RoNS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK Rons's instructions Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2.27 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 (PMIS) conformity VDMA2346-4 rone III Storage temperature -20 °C 60 °C Relative air humidity O -90 % Non-condensing Degree of protection IP40 Ambient temperature O °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 O Nm Max. torque Mx Above an ambient temperature of 30°C, the power must be reduced by 2°S per K. Max. torque My Ac A Mm Max. torque My Ac A Mm Max. torque My Ac A Mm Max. roque My Ac A Mm Max. roque My Ac A Mm Max. roque My Ac A Mm Max. red force Fx J375 N Guide value for payload, horizontal Bis & Mowing mass a Col mustroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional moving the propusation of digital logic inputs Configurable Number of digital logic input Configurable Nort range of logic inp	KC characters	
To UK RoHS Instructions Transport application test with severity level 1 as per FN 942017-4 and FN 60068-2-6 Shock resistance	CE marking (see declaration of conformity)	As per EU RoHS directive
EM 60068-2-6 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 VDMA24364 zone III Storage temperature 20 °C 60 °C Relative air humidity Non-condensing Degree of protection PH40 Non-condensing Degree of protection O Non Max. torque Mx O N M Max. torque Mx O N M Max. torque Mx O N M Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. rotque My 6.5 Nm Max. redeforce Fx 375 N Guide value for payload, horizontal Soide value for payload, horizontal Soide value for payload, horizontal 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	UKCA marking (see declaration of conformity)	
Corrosion resistance class (CRC) O - No corrosion stress VDMA2364 zone III VDMA2364 zone III VDMA2364 zone III PAG Relative air humidity O - 90 % Non-condensing Degree of protection IP40 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. Nax. torque Mx O Nm Max. torque Mx O Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. reed force Fx 375 N Guide value for payload, horizontal Suide 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 per 10 mm stroke Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC 2 Number of digital logic input Configurable Not galvanically isolated Not galvanically isolated IO-Link®, proteosl data width OUT 1 bit (move un)	Vibration resistance	
LABS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C Relative air humidity 0 -90 % 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% per K. Max. torque Mx 0 Nim Max. torque My 6.4 Mm Max. torque My 6.4 Mm Max. torque My 6.5 Mm Max. redial force on actuator shaft 230 N Max. and force on actuator shaft 230 N Max. feel 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 4294 g Basic weight with 0 mm stroke 2294 g Additional weight per 10 mm stroke 4294 g Additional weight per 10 mm stroke 59 g Number of digital logic inputs 20 Logic input 524 V DC 2 Logic input 525 Configurable Not galvanically isolated Not galvanically isolated 10-Link®, protocol version Device V1.1 10-Link®, protocol version 10-Link®, protocol version 10-Link®, protocol state on the firm of the content	Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Storage temperature	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 Ass. torque My Ass. torque Mz As	LABS (PWIS) conformity	VDMA24364 zone III
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% per K. Max. torque Mx 0 Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. readial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 18 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 2984 g Basic weight with 0 mm stroke 299 g Additional weight per 10 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Using 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®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (730.4 kBd) IO-Link®, port class A IO-Link®, protocs data width OUT 2 Byte IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT 1 bit (move out) 1 bit (Storage temperature	-20 °C 60 °C
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. torque Mz 6.4 Nm Max. redial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal 6uide value for payload, vertical 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 40flitional weight per 10 mm stroke 60 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 Characteristics of logic input Ol-Link®, SlO mode support Yes Ol-Link®, protecol version Device V 1.1 Ol-Link®, communication mode Ol-Link®, number of ports 1 Ibit (move in) Ibit (move out)	Relative air humidity	
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 My 6.4 Nm Max. radial force on actuator shaft 230 N Max. rede force Fx 375 N Guide value for payload, horizontal 6.6 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 2984 g Basic weight with 0 mm stroke 49 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 22 V Number of digital logic input 24 V Characteristics of logic input Characteristics of logic input Characteristics of logic input Ves Do-Link®, SIO mode support Ves Do-Link®, proteost data ontent OUT 1 bit (move in) 1 bit (move out)	Degree of protection	IP40
2% per K. Max. torque Mx Ax. torque My Ax. torque My Ax. torque Mz Ax. 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 2984 g Basic weight with 0 mm stroke 401 gital 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 width OUT 10-Link®, process data content OUT 1 bit (move in) 1 bit (move out)	Ambient temperature	0 °C 50 °C
Max. torque My Max. torque Mz Max. radial force on actuator shaft 230 N Max. feed force Fx 375 N Guide value for payload, horizontal So kg Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke 2984 g Basic weight with 0 nm stroke Additional weight per 10 mm stroke 69 g 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®, protocol version Device V 1.1 Do-Link®, process data width OUT 2 Byte 10-Link®, process data content 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 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight Basic weight with 0 mm stroke 406 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 O'Link®, SIO mode support Yes 10-Link®, protocol version Device V 1.1 O'Link®, number of ports 1 Dit (move in) 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 2984 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 OLink®, SIO mode support Ves 10-Link®, protocol version Device V 1.1 OLink®, protocss data width OUT 2 Byte IO-Link®, process data content OUT Link®, process data content OUT Link (max in max in	Max. torque My	6.4 Nm
Max. feed force FX 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 2984 g Basic weight with 0 mm stroke 69 g Number of digital logic outputs 24 V DC 2 Number of digital logic input 24 V Characteristics of logic input Characteristics of logic input Characteristics of logic input 10-Link®, protocol version Device V 1.1 DI-Link®, number of ports 10-Link®, process data width OUT 2 Byte 10-Link®, process data content OUT 1 bit (move out)	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 6.5 g Product weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke 69 g Number of digital logic inputs Characteristics of logic input Characteristics of logic input OLink®, SIO mode support Ves IO-Link®, protocol version OL-Link®, number of ports 10-Link®, process data width OUT 2 byte 10-Link®, process data content OUT Link®, good support Link®, good support Link®, process data content 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 (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 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 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®, process data width OUT 2 Byte IO-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)	Guide value for payload, horizontal	56 kg
Additional moving mass per 10 mm stroke 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 Characteristics of logic input Work solo mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, port class A IO-Link®, process data width OUT Jorden Support Jorden Suppo	Guide value for payload, vertical	18 kg
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 Not galvanically isolated Not galvanically isolated Not galvanically isolated Not galvanically isolated Not Julian (Communication mode COM3 (230.4 kBd) Not Julian (Communication mode Inc.) 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)	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 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 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®, port class A IO-Link®, number of ports 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	2984 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 IO-Link®, protocol version IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A IO-Link®, number of ports 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 Yes 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 I IO-Link®, process data width OUT 2 Byte IO-Link®, process data content OUT 1 bit (move in) 1 bit (quit error)	Number of digital logic inputs	2
Characteristics of logic input Configurable Not galvanically isolated Yes 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)	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 I Seyte IO-Link®, process data width OUT IO-Link®, process data content OUT Device V 1.1 IO-Link®, port class A IO-Link®, process data width OUT Io-Link®, process data content OUT Ibit (move in) I bit (move out) I 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 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)	Characteristics of logic input	
IO-Link®, communication mode IO-Link®, port class A IO-Link®, number of ports IO-Link®, process data width OUT IO-Link®, process data content OUT Io-Link®, process data content OUT Ibit (move in) I bit (move out) I bit (quit error)	IO-Link®, SIO mode support	Yes
IO-Link®, communication mode IO-Link®, port class A IO-Link®, number of ports IO-Link®, process data width OUT IO-Link®, process data content OUT Io-Link®, process data content OUT Ibit (move in) I bit (move out) I bit (quit error)	IO-Link®, protocol version	Device V 1.1
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)	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 width OUT 2 Byte 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)	· ·	2 Byte
	IO-Link®, process data content OUT	1 bit (move in) 1 bit (move out)
	IO-Link®, process data width IN	

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