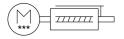
Electric cylinder unit EPCS-BS-60-150-12P-A-ST-M-H1-PLK-AA

FESTO

Part number: 8118298





General operating condition

Data sheet

Feature	Value
Size	60
Stroke	150 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 Parameterization interface Solution Solution Solution Solution sensor resolution It bit Permissible voltage fluctuations	Logic max. current consumption	0.3 A
Parameterization interface Rotor position sensor resolution Rotor position sensor resolution Rotor position sensor resolution Rotor position sensor resolution Rotor supply, sep of connection Plug Rower supply, connection pattern Rower supply, connection pattern Rower supply, connection pattern Rotor supply, connection supply, connection pattern supply, connection supply, connection supply, connection supply, connection supply, connection supply, connection supply, supply, connection supply, supply, connection supply, supply, connectio	DC nominal voltage	24 V
User interface	Nominal current	5.3 A
Rotor position sensor resolution 16 bit Permissible voltage fluctuations 4/-15 % Power supply, type of connection Plug Power supply, per of connection chandlogy M1241, 1-coded as per EN 61076-2-111 Power supply, commetion technology M1241, 1-coded as per EN 61076-2-111 Power supply, commetion pattern 00999899 Certification RCM compliance mark Certification RCM compliance mark CE marking (see declaration of conformity) As per EU RMS directive UKCA marking (see declaration of conformity) To MIX factor sinstructions for EMC Vibration resistance Shock resistance for EMC Shock resistance Shock test with severity level 1 as per FN 942017-3 and EN 60068-2-27 Corrosion resistance class (CRQ) 0 -No corrosion stress Corrosion resistance class (CRQ) 0 -No corrosion stress<	Parameterization interface	IO-Link®
Permissible voltage fluctuations		User interface
Power supply, type of connection Chrology Power supply, connection technology M12x1, T-coded as per EN 610762-111 Power supply, connection technology M12x1, T-coded as per EN 610762-111 Powers supply, connection pattern O0999599 Certification RCM compilance mark CC Emarking (see declaration of conformity) RC per EN Modification RCM compilance mark CC Emarking (see declaration of conformity) RC per EU RMC directive DUKCA marking (see declaration of conformity) RO LE Marking (see declaration of conformity) ROU KROHIS Instructions ROU KROHIS I	Rotor position sensor resolution	16 bit
Power supply, connection technology Al 21, T-coded as per EN 61076-2-111 Power supply, connection nattern O0999599 Gertification KC characters KC EMC CE marking (see declaration of conformity) As per EU ENG directive As per EU AS CORPORATION FOR ENG	Permissible voltage fluctuations	+/- 15 %
Power supply, number of pins/wires Power supply, connection pattern Oppsyspey Oppsysp	Power supply, type of connection	Plug
Fower supply, connection pattern Certification RCM compliance mark CE contribution RCM compliance mark RC Monopliance mark RC MCM RCM Marking (see declaration of conformity) RCM massistance RCM marking (see declaration of conformity) RCM monopliance RCM monoplia	Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111
Certification RCM compliance mank	Power supply, number of pins/wires	4
KC characters KC characters CE marking (see declaration of conformity) As per EU RMC directive As per	Power supply, connection pattern	00995989
EE marking (see declaration of conformity) As per EU RC directive To UK Ronts instructions To UK Instructions for FMC To UK Ronts instructions To EU RC directive in EU RC directive Tensport an population nest with severity level 1 as per FN 942017-4 and EN 60068-7-6 Shock resistance Shock resistance Shock resistance class (CRC) O - No corrosion stress Corrosion resistance class (CRC) UMA24364 zone III Cleanroom class Class (PWIS) conformity UMA24364 zone III Cleanroom class Class (PWIS) conformity O-90 % Non-condensing Degree of protection PAO Protection class III Anbient temperature O °C50 °C Note on ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx O N M Max. torque Mx As per EU RMC directive Appear on the severity level 1 as per FN 942017-5 and EN 60068-2-72 Appear of protection PAO Protection class Class (PWIS) conformity O **C50 °C Note on ambient temperature O **C50 °C Note on ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx As torque Mx As None Max. torque Mx As Associated to temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx As an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx As an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx As an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque Mx As torque Mx	Certification	RCM compliance mark
MA Aper EU RoHS directive URCA marking (see declaration of conformity) To UK instructions for EMC TO LIK instructions Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock teststance Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) On No corrosion stress LABS (PWIS) conformity VDM242464 zone III Clean room class Class 9 according to ISO 14644-1 Storage temperature 2-0° C 60° C Relative air humidity 9-90 % Degree of protection IP40 Protection class III Ambient temperature 0° C 50° C Note on ambient temperature 0° C 50° C Note on ambient temperature 0° Nm Max. torque MX 0 Nm Max. torque MX 6.4 Nm Max. torque MX 6.5 M Max. torque MX 6.5 M Max. torque MX 6.5 M Max.	KC characters	KC EMC
Turnsport application test with severity level 1 as per FN 942017-4 and RN 60068-2 c. Shock resistance	CE marking (see declaration of conformity)	
Shock resistance EN 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) 0 -N to corrosion stress LABS (PWIS) conformity VDMA24364 zone III Clean com class Class 9 according to ISO 14644-1 Storage temperature -20 °C60 °C Relative air hunidity 0-90 % Non-condensing Non-condensing Degree of protection IP40 Protection class III Ambient temperature 0 °C50 °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 0 Nm Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. torque Mx 375 N Max. feed force Fx 375 N Guide value for payload, vertical 18 kg Mail fore on actuator shaft 330 N Moving mass at 0 mm stroke 35 g Guide value for payload, vertical Iffe-time lubrication Moving mass at 0 mm stroke 29 g Basi	UKCA marking (see declaration of conformity)	
Corrosion resistance class (CRC) LABS (PWIS) conformity Cleanroom class Class 9 according to ISO 14644-1 Cleanroom class Class 9 according to ISO 14644-1 Cleanroom class Relative air humidity O -90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature O °C 50 °C Note on ambient temperature Note on ambient temperature Note on ambient temperature Note on ambient temperature O Nm Max. torque Mx Max. torque Mx Max. torque My Max. torque Mz Max. torque Mz Max. torque Mz Max. radial force on actuator shaft 230 N Max. red force Fx Guide value for payload, horizontal Guide value for payload, horizontal Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional weight the 10 mm stroke Additional weight per 10 mm stroke Additional wei	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 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 25 per K. Max. torque Mx Max. torque Mx Max. torque My 6.4 Nm Max. torque My 6.4 Nm Max. torque Mz 6.4 Nm Max. torque Mz Max. fore on actuator shaft 230 N Max. fore on actuator shaft 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 Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke	Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Cleanroom class Class 9 according to ISO 14644-1 Storage temperature 20 °C60 °C Relative air humidity 0 -90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature 0 °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 Mm 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. for eon 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 Additional moving mass per 10 mm stroke Additional moving mass per 10 mm stroke Additional weight with 0 mm stroke Additional weight per 10	Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature -20 °C 60 °C Relative air humidity 0.9.90 % Non-condensing Degree of protection IP40 Protection class III Ambient temperature 0.9°C 50°C Note on ambient temperature Above an ambient temperature of 30°C, the power must be reduced by 28 per K. Max. torque Mx O Nm Max. torque Mx 6.4 Nm Max. torque Mx 6.5 kg Guide value for payload, horizontal 56 kg Guide value for payload, horizontal 18 kg Mointenance interval Life-time lubrication Moving mass at 0 mm stroke 305 g Additional moving mass per 10 mm stroke 6.5 g Product weight 3329 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®, Slo mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	LABS (PWIS) conformity	VDMA24364 zone III
Relative air humidity 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 Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Max. torque My Ass. torque My Ass. torque Mz Ass. t	Cleanroom class	Class 9 according to ISO 14644-1
Degree of protection 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 Mm 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 Additional moving mass per 10 mm stroke 6.9 g Additional weight per 10 mm stroke 69 g Additional weight per 10 mm stroke 69 g Value of digital logic inputs 24 V DC 2 Number of digital logic inputs 2 Vook range of logic input 24 V Characteristics of logic input Configurable Not galvanically isolated <t< td=""><td>Storage temperature</td><td>-20 °C 60 °C</td></t<>	Storage temperature	-20 °C 60 °C
Protection class Milent 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 Mz 6.4 Nm Max. radial force on actuator shaft 330 N Max. feed force Fx 375 N Guide value for payload, horizontal 66 kg Guide value for payload, vertical Maintenance interval 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 medical weight p	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. Max. torque Mx Max. torque My 6.4 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 6uide value for payload, vertical Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Additional weight per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Dumber of digital logic outputs 24 V DC Logic input specification Based on IEC 61131-2, type 1 Work range of logic input Characteristics of logic input Di-Link®, SIO mode support Di-Link®, protocol version Device V 1.1 Di-Link®, communication mode OCM3 (230.4 kBd) A CHEMBER AMBIENT AMBI	Degree of protection	IP40
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 M2 Max. feed force Fx 375 N Guide value for payload, horizontal 65 kg 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 Additional weight per 10 mm stroke Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC 10 cipi input specification Work range of logic input Characteristics of logic input Characteristics of logic input OLink®, S10 mode support Ves Uchink®, port class Addition mode COM3 (230.4 kBd) A Base on IEC 61131-2, type 1 Device V 1.1 OLink®, communication mode COM3 (230.4 kBd) A	Protection class	III
Max. torque Mx0 NmMax. torque My6.4 NmMax. torque Mz6.4 NmMax. torque Mz230 NMax. radial force on actuator shaft230 NMax. feed force Fx375 NGuide value for payload, horizontal56 kgGuide value for payload, vertical18 kgMaintenance intervalLife-time lubricationMoving mass at 0 mm stroke305 gAdditional moving mass per 10 mm stroke6.5 gProduct weight3329 gBasic weight with 0 mm stroke69 gNumber of digital logic outputs 24 V DC2Number of digital logic inputs2Logic input specificationBased on IEC 61131-2, type 1Work range of logic input24 VCharacteristics of logic inputYes10-Link®, SIO mode supportYes10-Link®, protocol versionDevice V 1.110-Link®, port classA	Ambient temperature	0 °C 50 °C
Max. torque My 6.4 Mm 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 3329 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 224 V Characteristics of logic input Characteristics of logic input Versame Unitary of the surface of logic input Characteristics of logic input Unitary of Link®, SIO mode support Ves Unitary of Link®, protocol version Device V 1.1 Unitary of Link®, communication mode Unitary of Link®, communication mode Unitary of 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 Froduct weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Additional weight logic outputs 24 V DC Number of digital logic outputs 24 V DC Logic input specification Work range of logic input Characteristics of logic input Characteristics of logic input OLink®, S10 mode support Polink®, protocol version Device V 1.1 OLink®, port class A Miles Age A Max. Read in IEC 61131-2, type 1 Device V 1.1 OLink®, communication mode COM3 (230.4 kBd) A	Max. torque Mx	0 Nm
Max. radial force on actuator shaft230 NMax. feed force Fx375 NGuide value for payload, horizontal56 kgGuide value for payload, vertical18 kgMaintenance intervalLife-time lubricationMoving mass at 0 mm stroke305 gAdditional moving mass per 10 mm stroke6.5 gProduct weight3329 gBasic weight with 0 mm stroke2294 gAdditional weight per 10 mm stroke69 gNumber of digital logic outputs 24 V DC2Number of digital logic inputs2Logic input specificationBased on IEC 61131-2, type 1Work range of logic input24 VCharacteristics of logic inputConfigurable Not galvanically isolatedIO-Link®, SIO mode supportYesIO-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM3 (230.4 kBd)IO-Link®, port classA	Max. torque My	6.4 Nm
Max. radial force on actuator shaft230 NMax. feed force Fx375 NGuide value for payload, horizontal56 kgGuide value for payload, vertical18 kgMaintenance intervalLife-time lubricationMoving mass at 0 mm stroke305 gAdditional moving mass per 10 mm stroke6.5 gProduct weight3329 gBasic weight with 0 mm stroke2294 gAdditional weight per 10 mm stroke69 gNumber of digital logic outputs 24 V DC2Number of digital logic inputs2Logic input specificationBased on IEC 61131-2, type 1Work range of logic input24 VCharacteristics of logic inputConfigurable Not galvanically isolatedIO-Link®, SIO mode supportYesIO-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM3 (230.4 kBd)IO-Link®, port classA	Max. torque Mz	6.4 Nm
Guide value for payload, horizontal Guide value for payload, vertical Maintenance interval Life-time lubrication Moving mass at 0 mm stroke Moving mass per 10 mm stroke 6.5 g Additional moving mass per 10 mm stroke 3329 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 protocol version IO-Link®, SIO mode support Ves IO-Link®, communication mode IO-Link®, communication mode IO-Link®, port class A Life-time lubrication So kg Mak g Life-time lubrication So Sg Company serving lubrication So Sg Company serving lubrication Company serving lubrication So Res Company serving lubrication So Res Company serving lubrication Company serving lubrication So Res Company serving lubrication So Res Company serving lubrication So Res Company serving lubrication Company serving lubrication So Res Company serving lubrication So Res Company serving lubrication Compa		
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Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6.5 g Product weight 3329 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 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 3329 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 Characteristics of logic input Characteristics of logic input Work product weight Yes 10-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 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 Ves 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®, communication mode COM3 (230.4 kBd) 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	3329 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 Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A	Basic weight with 0 mm stroke	2294 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 Ves IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A		69 g
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Work range of logic input Characteristics 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		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 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	IO-Link®, SIO mode support	Yes
IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A		Device V 1.1
IO-Link®, port class A	· · · · · · · · · · · · · · · · · · ·	COM3 (230.4 kBd)
		A
	· · · · · · · · · · · · · · · · · · ·	

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