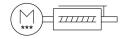
Electric cylinder unit EPCS-BS-32-50-3P-A-ST-M-H1-PLK-AA

FESTO

Part number: 8118267





General operating condition

Data sheet

Feature	Value
Size	32
Stroke	50 mm
Stroke reserve	0 mm
Piston rod thread	M8
Reversing backlash	100 μm
Screw diameter	8 mm
Spindle pitch	3 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	1.5 m/s ²
Max. speed	0.079 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	3000 mA

Logic mass current consumption 24 V Nominal current 3 A Parametrization interface 10 Link® Rotor position sensor resolution 16 bit Power supply, type of connection 16 bit Power supply, type of connection self-more M12x1, T-coded as per EN 61076-2-111 Power supply, type of connection self-more 00995989 Certification RO Accompliance mark Victoriance 00995989 Certification RO Accompliance mark VC characters KC EMC CE marring (see declaration of conformity) As per EU EMC directive As per EU RoS directive As pe	Feature	Value
Nominal current	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 Permissible voltage fluctuations Power supply per Commection Plug Power supply, per Commection Power supply, per Commection technology M12x1, 1 coded as per EN 61076 2 111 Rower supply, permiser of pins where Some South Sout	DC nominal voltage	24 V
User interface	Nominal current	3 A
Retrievable voltage fluctuations	Parameterization interface	IO-Link®
Permissible voltage fluctuations //15 % Power supply, tope of connection Plug Power supply, connection pattern		User interface
Power supply, type of connection Chrology Power supply, connection technology M12x1, "F.coded as per EN 61076-2-111 Powers supply, number of pins, lyvines 4 Powers supply, connection pattern Certification RCM compliance mark KC Ebac Certification RCM compliance mark KC Ebac CE marking (see declaration of conformity) RA per EU BMC directive As per EU BMC directive As per EU BMC directive RCM compliance mark KC Ebac CE marking (see declaration of conformity) ROW ROW RESTRUCTIONS FOR Ebac UNCA marking (see declaration of conformity) For UN KR MIS Instructions for Ebac UNCA marking (see declaration of conformity) For UN KR MIS Instructions For Ebac UNCA marking (see declaration of conformity) For UN KR MIS Instructions For Ebac UNCA marking (see declaration of conformity) For Ebac UNCA marking (see declaration of conformity) For UN KR MIS Instructions For Ebac Ebac Shock resistance For Ebac Shock resistance For Ebac Shock resistance For Ebac Shock resistance class (CRC) For Ebac Corrosion resistance For Ebac Corrosion resistance For Ebac Corrosion resistance For Ebac Corrosion resistance For Ebac	Rotor position sensor resolution	16 bit
Power supply, connection technology Al 2, Tecoded as per EN 61076-2-111 Power supply, connection pattern O0999999 Certification KC characters KC EMC CErtarking (see declaration of conformity) As per EU RoHS directive ID KUR situation for EU ROH To EU ROHS directive As per EU RoHS directi	Permissible voltage fluctuations	+/- 15 %
Power supply, number of pins/wires Power supply, connection pattern Coertification RCM compliance mank KC characters KC Emarking (see declaration of conformity) RCM as per EU RMS directive As aper EU RMS directions As aper EU RMS directive As aper EU RMS direction	Power supply, type of connection	Plug
Fower supply, connection pattern Certification RCM compliance mark CC characters RC End (Characters) RC Emarking (see declaration of conformity) RD Aper ELL BMC directive As per ELL BMC directive To UK Instructions for EMC To UK Rentst directions for EMC To UK Rentst direction for EMC To UK Rentst dire	Power supply, connection technology	M12x1, T-coded as per EN 61076-2-111
Certification RCM compliance mark	Power supply, number of pins/wires	4
KC characters KC characters KC cemarking (see declaration of conformity) As per EU RMC directive for EMC Composition test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance As poor EN 942017-5 and EN 60068-2-27 Corrosion resistance As per EU RMC directive for EMC Consolor directive for PA42017-5 and EN 60068-2-27 Corrosion resistance As per EU RMC directive for EMC Consolor directive for PA42017-5 and EN 60068-2-27 Corrosion resistance As per EU RMC directive for EMC Consolor directive for EMC Consolor directive for PA42017-5 and EN 60068-2-27 Corrosion resistance As per EU RMC directive for EMC Consolor dire	Power supply, connection pattern	00995989
Et marking (see declaration of conformity) As per EU RMC directive As per EU RMS directive INCA marking (see declaration of conformity) To UK instructions for FMC To UK RoHS instructions To HMS ROBOS 3-6 Shock resistance Shock resistance Shock test with severity level 1 as per FN 942017-4 and EN 60068-2-72 Corrosion resistance class (CRC) O - No corrosion stress Consistance class (CRC) O - No corrosion stress Class (PWIS) conformity VDMA24364 zone III Cleanroom class Class 9 according to ISO 14644-1 Storage temperature 2-0° C 60° C Relative air humidity O - 90% Non-condensing Degree of protection PAG 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 O N M Max. torque Mx Max. torque Mx Max. torque My 1.5 Nm Max. radial force on actuator shaft FN S Max. radial force on actuator shaft FN S Max. rede force Fx Guide value for payload, horizontal Additional 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 moving mass per 10 mm stroke Additional weight per 10 mm stroke Additiona	Certification	RCM compliance mark
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To UK RoHS instructions To UK RoHS instructions Ransport application test with severity level 1 as per FN 942017-4 and RN 60068-2-6 Shock resistance	CE marking (see declaration of conformity)	
EM 60068-2-6 Shock resistance Shock text with severily level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 0 - No corrosion stress LABS (PWIS) conformity VDMA24364 zone III Clean room class Class 9 according to ISO 14644-1 Storage temperature - 20 °C	UKCA marking (see declaration of conformity)	
Corrosion resistance class (CRC) LABS (PWIS) conformity VDMAZ4364 zone III 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 Note on ambient temperature Note on ambient temperature Nax. torque Mx Max. torque Mx Max. torque My 1.5 Nm Max. radial force on actuator shaft 75 N Max. radial force on actuator shaft 75 N Max. radial 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 moving mass per 10 mm stroke Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC Number of digital logic input Characteristics of logic input Note jon mode support Note gommunication mode Oculian (Communication mode COM3 (230.4 kBd) Oculianko, port class A Class 9 according to ISO 14644-1 Class 9 acco	Vibration resistance	
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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 1.5 Nm Max. torque My 1.5 Nm Max. torque Mz 1.5 Nm 1.5 Nm 1.5 Nm 1.5 Nm 1.5 Nm 1.6 Nm Max. torque Mz 1.5 Nm 1.5 Nm 1.6 Nm Max. torque Mz 1.5 Nm 1.5 Nm 1.5 Nm 1.6	Corrosion resistance class (CRC)	0 - No corrosion stress
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 0 Nm Max. torque Mx 1.5 Nm Max. torque My 1.5 Nm Max. torque Mz 1.5 Nm M	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 1.5 Nm Max. torque Mz Max. torque Mz 1.5 Nm Max. torque Mz Max. torque Mz 1.5 Nm Max. torque Mz 1.5 Nm Max. torque Mz 1.5 Nm Max. torque Mz 1.5 Nn Max. fordia force on actuator shaft 75 N Max. feed force fx 150 N Guide value for payload, horizontal 12 kg Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 98 8 Additional moving mass per 10 mm stroke 3.3 g Product weight Basic weight with 0 mm stroke Additional weight per 10 mm stroke 818 g Additional weight per 10 mm stroke 24 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®, SIO mode support Ves Configurable Not galvanically isolated O-Link®, SIO mode support O-Link®, portocal version Device V 1.1 O-Link®, portocal version O-Link®, port class A (Communication mode COM3 (230.4 kBd)	Cleanroom class	Class 9 according to ISO 14644-1
Degree of protection P40 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°6 per K. Nax. torque Mx 0 Mm Max. torque My 1.5 Nm Max. torque My 1.5 Nm Max. torque Mz 1.5 Nm Max. radial force on actuator shaft 75 N Max. fed force Fx 150 N Guide value for payload, horizontal 12 kg Maintenance interval 16-time lubrication Moving mass at 0 mm stroke 98 g Additional moving mass per 10 mm stroke 338 g Basic weight with 0 mm stroke 818 g Additional moving mass per 10 mm stroke 24 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 V Characteristics of logic input 2 V Characteristics of logic input 2 V Characteristics of logic input Configurable Not galvanically isolated Ol-Link®, protecoleversion Device V 1.1 Ol-Link®, protecoleversion CoM3 (230.4 kBd) Ol-Link®, port class A mean temperature of 30°C, the power must be reduced by 20°C50°C Name of digital logic output class A mean temperature of 30°C, the power must be reduced by 20°C50°C Device VI.1 Ol-Link®, protecoleversion Device VI.1 Ol-Link®, port class A mean temperature of 30°C, the power must be reduced by 20°C50°C Above anabient temperature of 30°C, the power must be reduced by 20°C50°C, the power must	Storage temperature	-20 °C 60 °C
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 0Nm Max. torque My 1.5 Nm Max. torque Mz 1.5 Nm Max. radial force on actuator shaft 75 N Max. feed force Fx 150 N Guide value for payload, horizontal 24 kg Guide value for payload, vertical 12 kg Moving mass at 0 mm stroke 98 g Additional moving mass per 10 mm stroke 98 g Basic weight with 0 mm stroke 818 g Additional weight per 10 mm stroke 818 g Additional weight per 10 mm stroke 24 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 Not galvanically isolated 10-Link®, SIO mode support Per Collink®, protocol version Device V 1.1 Ol-Link®, protocol version Device V 1.1 Ol-Link®, port class Above Table Device V 1.1 Ol-Link®, port class Above Table Device V 1.1 Ol-Link®, port class Above mass ber ambient temperature of 30°C, the power must be reduced by 2% per K. Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Basic value for payload, per for M. In the protect of the power must be reduced by 2% per K. Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Basic value for payload, per for M. In the protect of the power must be reduced by 2% per K. Above an ambient temperature of 30°C, the power must be reduced by 2% per K. Above an ambient temperature of Nm In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the power must be reduced by 2% per K. In the	Relative air humidity	
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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 1.5 Nm Max. torque Mz 1.5 Nm Max. torque Mz 1.5 Nm Max. torque Mz 1.5 Nm Max. feed force Fx 150 N Guide value for payload, horizontal 24 kg Guide value for payload, vertical Moving mass at 0 mm stroke Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 818 g Additional weight per 10 mm stroke Number of digital logic outputs 24 V DC Logic input specification Work range of logic input Characteristics of logic input Ol-Link®, S10 mode support Ol-Link®, protocol version Device V 1.1 Ol-Link®, port class A Max. torque Mx N mber of digital logic outputs on the support of Link®, port class A Max. torque Mx Above an ambient temperature of 30°C, the power must be reduced by 28 per K. N max. torque Mx N mm O Nm Above an ambient temperature of 30°C, the power must be reduced by 28 per K. N max. torque Mx 1.5 Nm	Protection class	III
Max. torque Mx0 NmMax. torque My1.5 NmMax. torque Mz1.5 NmMax. torque Mz1.5 NmMax. torque Mz1.5 NmMax. dial force on actuator shaft75 NMax. feed force Fx150 NGuide value for payload, horizontal24 kgGuide value for payload, vertical12 kgMaintenance intervalLife-time lubricationMoving mass at 0 mm stroke98 gAdditional moving mass per 10 mm stroke3.3 gProduct weight with 0 mm stroke818 gBasic weight with 0 mm stroke24 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	Ambient temperature	0 °C 50 °C
Max. torque My1.5 NmMax. torque Mz1.5 NmMax. radial force on actuator shaft75 NMax. feed force Fx150 NGuide value for payload, horizontal24 kgGuide value for payload, vertical12 kgMaintenance intervalLife-time lubricationMoving mass at 0 mm stroke98 gAdditional moving mass per 10 mm stroke3.3 gProduct weight938 gBasic weight with 0 mm stroke818 gAdditional weight per 10 mm stroke24 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 input24 VCharacteristics of logic inputYesIO-Link®, SIO mode supportYesIO-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM3 (230.4 kBd)IO-Link®, port classA	Note on ambient temperature	
Max. torque Mz Max. radial force on actuator shaft 75 N Max. feed force Fx 150 N Guide value for payload, horizontal 24 kg Guide value for payload, vertical Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke Captional specification Based on IEC 61131-2, type 1 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 Mx	0 Nm
Max. radial force on actuator shaft75 NMax. feed force Fx150 NGuide value for payload, horizontal24 kgGuide value for payload, vertical12 kgMaintenance intervalLife-time lubricationMoving mass at 0 mm stroke98 gAdditional moving mass per 10 mm stroke3.3 gProduct weight938 gBasic weight with 0 mm stroke818 gAdditional weight per 10 mm stroke24 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	1.5 Nm
Max. feed force Fx Guide value for payload, horizontal Guide value for payload, vertical 12 kg Maintenance interval Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 818 g Additional weight with 0 mm stroke 818 g Additional weight per 10 mm stroke 24 g Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 22 V Characteristics of logic input Characteristics of logic input Characteristics of logic input Ves 10-Link®, S10 mode support Ves 10-Link®, portocol version Device V 1.1 Includes	Max. torque Mz	1.5 Nm
Guide value for payload, vertical Guide value for payload, vertical Maintenance interval Life-time lubrication Moving mass at 0 mm stroke 98 g Additional moving mass per 10 mm stroke 938 g Product weight 938 g Basic weight with 0 mm stroke 818 g Additional weight per 10 mm stroke 24 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 Othink®, SIO mode support Yes IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Max. radial force on actuator shaft	75 N
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 818 g Additional weight per 10 mm stroke 24 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®, rotocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class	Max. feed force Fx	150 N
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 Additional weight per 10 mm stroke Additional weight logic outputs 24 V DC Number of digital logic inputs Lugic 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, horizontal	24 kg
Moving mass at 0 mm stroke 98 g Additional moving mass per 10 mm stroke 3.3 g Product weight 938 g Basic weight with 0 mm stroke 818 g Additional weight per 10 mm stroke 24 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 2 Characteristics of logic input Characteristics of logic input 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	Guide value for payload, vertical	12 kg
Additional moving mass per 10 mm stroke Product weight Basic weight with 0 mm stroke Basic weight with 0 mm stroke Additional weight per 10 mm stroke 24 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 818 g Additional weight per 10 mm stroke 24 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 Yes 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	98 g
Basic weight with 0 mm stroke Additional weight per 10 mm stroke 24 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	Additional moving mass per 10 mm stroke	3.3 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	938 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®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A	Basic weight with 0 mm stroke	818 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®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) A	Additional weight per 10 mm stroke	24 g
Number of digital logic inputs 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) A	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 IO-Link®, protocol version IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	Number of digital logic inputs	2
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
Not galvanically isolated 10-Link®, SIO mode support 10-Link®, protocol version 10-Link®, communication mode 10-Link®, port class A Not galvanically isolated Yes 10-Link®, SIO mode support 10-Link®, protocol version 10-Link®, communication mode 10-Link®, port class A	Work range of logic input	24 V
IO-Link®, protocol version Device V 1.1 IO-Link®, communication mode COM3 (230.4 kBd) IO-Link®, port class A	Characteristics of logic input	
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	IO-Link®, protocol version	Device V 1.1
IO-Link®, port class A		COM3 (230.4 kBd)
	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