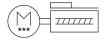
Ball screw axis unit ELGS-BS-KF-45-200-10P-ST-M-H1-PLK-AA

FESTO

Part number: 8083471





Data sheet

Feature	Value
Working stroke	200 mm
Size	45
Stroke reserve	0 mm
Spindle diameter	10 mm
Spindle pitch	10 mm/U
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With ball screw With integrated drive
Position detection	Motor encoder Via proximity switch
Rotor position sensor	Absolute single-turn encoder
Rotor position sensor, encoder measuring principle	Magnetic
Temperature monitoring	Switch-off for excessive temperature Integrated precise CMOS temperature sensor with analogue output
Additional functions	User interface Integrated end-position sensing
Display	LED
Max. acceleration	5 m/s ²
Max. speed	0.25 m/s
Repetition accuracy	±0.015 mm
Features of digital logic outputs	Configurable Not galvanically isolated
Duty cycle	100%
Insulation protection class	В
Max. current digital logic outputs	100 mA
Max. current consumption	3 A
Max. current consumption, logic	0.3 A
Nominal voltage DC	24 V
Nominal current	3 A
Parameterisation interface	IO-Link User interface

Power supply, connection type power supply, connection type power supply, connection type APPROVER Supply, manuber of pinsi-wires APPROVER Supply, supply S	Feature	Value
power supply, connection system All 2x1, F-coded according to EN 61076-2-111 Power supply, number of pins/wires A CM trademark CE mark (See declaration of conformity) B CE Mark (See declaration of conformity) In accordance with EU RoRS Directive LABS (PWIS) conformity VDMA24364 zone III Storage temperature - 2-0 °C0 °C Relative air humidity - 0 - 90% Degree of protection IPAO Arabient temperature - 0 - 5.0 °C Relative air humidity - 0 - 90% Degree of protection IPAO Arabient temperature - 0 - 5.0 °C Arabient temperature - 0 - 5.0 °C Relative air humidity - 1 - 90% Degree of protection IPAO Arabient temperature - 0 - 5.0 °C Relative air humidity - 1 - 90% Degree of protection IPAO Arabient temperature - 0 - 5.0 °C Relative air humidity - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Permissible voltage fluctuations	+/- 15%
Power supply, number of pins/wires Approval Approval C mark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive and In accordance In accordance with Eu RoHS Directive and In accordance In accordance with Eu RoHS Directive and In accordance In accordance with Eu RoHS Directive accordance In accordance with Europe In accordance with Europe In accordance In accordance with Europe In accordance with Europe In accordance In accordance with Europe In accordance with Europe In accordance In Int In accordance In Int International In	Power supply, connection type	Plugs
Approval CE mark (see declaration of conformity) TO EU EMC Directive In accordance with EU RoHS Directive INDIRECTION OF COMMAND AS 200 ROM INDIRECTION OF COMMAND INTERPRETATION OF COMMAND IN	power supply, connection system	M12x1, T-coded according to EN 61076-2-111
CE mark (see declaration of conformity) In EU EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive IN 2004 A364 zone III Storage temperature 20 °C.,60 °C Relative air humidity 0 99% Degree of protection IP40 Ambient temperature Power must be reduced by 2% per K at ambient temperatures above 30°C. 2nd moment of area by 140000 mm² 2nd moment of area by 140000 mm² 2nd moment of area by 1400000 mm² 2nd moment of area by 2nd mo	Power supply, number of pins/wires	4
LABS (PWIS) conformity VDMA2 3 64 a zne III Storage temperature 2-0 °C60 °C Relative air humidity 0 - 90% Degree of protection Ambient temperature 0 °C50 °C Rober on ambient temperature Note on ambient temperature Note on ambient temperature Note on ambient temperature 1 140000 mm² 2nd moment of area ty 1 140000 mm² 2nd moment of area ty 1 140000 mm² 2nd moment of area ty 1 170000 mm² 1 170000 mm² 2nd moment of area ty 1 140000 mm² 2nd moment farea ty	Approval	RCM trademark
Storage temperature Relative air humidity 0 - 50% Relative air humidity 0 - 50% Ambient temperature 0 °C50 °C Note on ambient temperature Note on ambient temperature Note on ambient temperature 1 40000 mm² 2 2 2 8 80 N Max. force F2 880 N Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only gui	CE mark (see declaration of conformity)	
Relative air humidity Degree of protection PRAO Morbient temperature O = C50 °C Note on ambient temperature Note on ambient temperature Note on ambient temperature Power must be reduced by 2% per K at ambient temperatures above 30°C. And moment of area by 1400000 mm² 1700000 mm² 1700000 mm² 1700000 mm² 1700000 mm² 1700000 mm² 170000 mm² 17000 mm² 1700	LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection Ambient temperature O "C., 50 °C Ambient temperature Power must be reduced by 2% per K at ambient temperatures above 30°C. 2nd moment of area by 140000 mm² And moment of area la 2nd moment of area la 2nd moment of area la 2nd moment of area la 3nd Kar, force Fy 880 N 880 M	Storage temperature	-20 °C60 °C
Ambient temperature Note on ambient temperature Power must be reduced by 2% per K at ambient temperatures above 30°C 20 m ambient temperature 20 m/C 20 m ambient temperature 21 m/C 20 m/C	Relative air humidity	0 - 90%
Note on amblent temperature 20'C. 2nd moment of area ly 2nd moment of area ly 2nd moment of area ly 2nd moment of area lz 30'C. 30'	Degree of protection	IP40
Jack doment of area by 140000 mm² 2nd moment of area by 170000 mm² Max. force Fy 880 N Max. force Fy 880 N Fy at theoretical life value of 100 km (only guide consideration) 3240 N Frat theoretical life value of 100 km (only guide consideration) 3240 N Max. moment Mx 5,55 Nm Max. moment Mx 4,7 Nm Max. moment Mx 4,7 Nm Max. moment Mx 4,7 Nm Max. theoretical life value of 100 km (only guide consideration) 17 Nm Max theoretical life value of 100 km (only guide consideration) 17 Nm Max theoretical life value of 100 km (only guide consideration) 18 Nm Max theoretical life value of 100 km (only guide consideration) 18 Nm Max theoretical life value of 100 km (only guide consideration) 19 Nm Max theoretical life value of 100 km (only guide consideration) 17 Nm Max. feed force Fx 100 N Reference value effective load, horizontal 10 kg Reference value effective load, horizontal 10 kg Reference value effective load, vertical 5 kg Reference value effective load, wertical 20 Ng Reference value effective load, wertical 5 kg Reference value effective load, wertical 5 kg Reference value effective load, wertical 10 kg Reference value effective load, vertical 5 kg Reference value effective load, wertical 10 kg Reference value effective load, horizontal 10 kg Reference value effecti	Ambient temperature	0 °C50 °C
2nd moment of area lz Max. Force Fy 880 N Max. Force Fz 880 N Fy at theoretical life value of 100 km (only guide consideration) 8240 N Fy at theoretical life value of 100 km (only guide consideration) 8240 N Max. moment Mx 8.5 N m Max. moment My Max. moment My Max. moment My Max theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Max. foce of force Fx 100 N Reference value effective load, horizontal 10 kg Reference value effective load, horizontal 10 kg Reference value effective load, horizontal 10 kg Reference value effective load, horizontal 10 mm/U Moving mass 220 g Product weight 2074 g 2074 g 2074 g 2074 g 2075 of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length Number of digital logic uputs 24 V D 20 km Working range of logic input None of digital logic uputs 24 V D Number of digital logic uputs 24 V D Number of digital logic uputs 24 V D Nort galvanically isolated Nove in 1 bit Move intermediate 1 bit Stat	Note on ambient temperature	
Max. force Fy Max. force F2	2nd moment of area ly	140000 mm⁴
Max. force Fz Fz at theoretical life value of 100 km (only guide consideration) Fy at theoretical life value of 100 km (only guide consideration) 3240 N Max. moment Mx 5.5 km Max. moment My 4.7 km Max. theoretical life value of 100 km (only guide consideration) 7 km Max at theoretical life value of 100 km (only guide consideration) 7 km Max at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Max feed force Fx 100 km Max. feed force Fx 100 km Moving mass Feed constant 10 km Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 km Static deflection (load in standstill) 0.1% of the axis length, max. 0.5 km Static deflection (load in standstill) 0.1% of the axis length Moving range of logic input 24 V Working range of logic input 24 V Working range of logic input Configurable Not galvanically isolated Nove in 1 bit Move out 1 bit Quit Error 1 bit State In 1 bit State Intermediate 1 bit State Move 1 bit State Intermediate	2nd moment of area lz	170000 mm⁴
Fy at theoretical life value of 100 km (only guide consideration) Fz at theoretical life value of 100 km (only guide consideration) Max. moment Mx Max. moment My Max. moment My Max. moment Mz A; 7 km Max at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Max. reced force Fx 100 N Reference value effective load, horizontal 10 kg Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 5.5% of the axis length, max. 0.5 mm Static deflection (moving load) 0.0.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 22 V Working range of logic input Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit State Intermediate 1	Max. force Fy	880 N
Tz at theoretical life value of 100 km (only guide consideration) Max. moment Mx 4.7 km Max. moment My 4.7 km Max. moment Mz 4.7 km Mx. at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. at theoretical life value of 100 km (only guide consideration) Mx. feet force Fx 100 N Reference value effective load, vertical 100 kg Reference value effective load, vertical 100 kg Reference value effective load, vertical 100 mm/U Moving mass 220 g Product weight 200 g Product weight 200 g Product weight 201 so f the axis length, max. 0.5 mm 201 so f the axis length, max. 0.5 mm 201 so f the axis length, max. 0.5 mm 201 so f the axis length, max. 0.5 mm 201 so f the axis length, max. 0.5 mm 201 so f the axis length, max. 0.5 mm 202 so g Reference value effective load, vertical 202 g Romber of digital logic outputs 24 V DC 203 so f the axis length, max. 0.5 mm 204 so f the axis length, max. 0.5 mm 205 so f the axis length, max. 0.5 mm 206 so f the axis length, max. 0.5 mm 207 so f the axis length, max. 0.5 mm 208 so f the axis length, max. 0.5 mm 208 so f the axis length, max. 0.5 mm 208 so f the axis length, max. 0.5 mm 208 so f the axis length, max. 0.5 mm 208 so f the axis length, max. 0.5 mm 208 so f the axis length, max. 0.5 mm 208	Max. force Fz	880 N
Max. moment Mx Max. moment My 4.7 Mm Max. moment My 4.7 Nm Max. moment Mz 4.7 Nm Max. moment Mz 4.7 Nm Max. moment Mz 4.7 Nm Max. at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Max. feed force Fx 100 N Max. feed force Fx 100 N Reference value effective load, horizontal 10 kg Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight Dynamic deflection (moving load) 5.5 where the sais length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 V Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move out 1 bit Move out 1 bit Quit Error 1 bit State In 1 bit State Out 1 bit State In 1 bit State Movel 1 bit State Out 1 bit St	Fy at theoretical life value of 100 km (only guide consideration)	3240 N
Max. moment My A.7 Nm Max. moment Mz A.7 Nm Max. moment Mz A.7 Nm Max theoretical life value of 100 km (only guide consideration) Max at theoretical life value of 100 km (only guide consideration) Max at theoretical life value of 100 km (only guide consideration) Max at theoretical life value of 100 km (only guide consideration) Max. feed force Fx 100 N Reference value effective load, horizontal 10 kg Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 mm Static deflection (load in standstill) Number of digital logic utputs 24 V DC 2 Number of digital logic input Features of logic input Configurable Not galvanically isolated 10-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move out 1 bit State In 1 bit State Move 1 bit State In 1 bit State	Fz at theoretical life value of 100 km (only guide consideration)	3240 N
Max. moment Mz Mx at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide consideration) Mx at theoretical life value of 100 km (only guide constant) Mx at theoretical life value of 100 km (only guide constant) Mx at theoretical life value of 100 km (only guide constant) Mx at theoretical life value of 100 km (only guide constant) Mx at theoretical life value of 100 km (Max. moment Mx	5.5 Nm
Mx at theoretical life value of 100 km (only guide consideration) My at theoretical life value of 100 km (only guide consideration) Mz at theoretical life value of 100 km (only guide consideration) Mx. feed force Fx 100 N Max. feed force Fx 100 N Reference value effective load, horizontal Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g 2074 g 2074 g 2078 of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length, max. 0.5 mm Static deflection (load in standstill) Number of digital logic outputs 24 V DC 2 Working range of logic input Configurable Not galvanically isolated Not galvanically isolated Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Quit Error 1 bit State Device 1 bit State Intermediate 1 bit State Intermediate 1 bit State Intermediate 1 bit State Move 1	Max. moment My	4.7 Nm
My at theoretical life value of 100 km (only guide consideration) Mz at theoretical life value of 100 km (only guide consideration) Max. feed force Fx 100 N Reference value effective load, horizontal Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) Static deflection (load in standstill) Number of digital logic outputs 24 V DC 2 Number of digital logic input Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State In 1 bit State In 1 bit State In 1 bit State In 1 bit State Move 1 bit State Nove 1 bit Stat	Max. moment Mz	4.7 Nm
Max. feed force Fx 100 N Max. feed force Fx 100 N Reference value effective load, horizontal 10 kg Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (nowing load) Static deflection (load in standstill) 0.1% of the axis length, max. 0.5 mm Static deflection (load in standstill) Number of digital logic outputs 24 V DC 2 Working range of logic input Features of logic input 10-Link, Process data content OUT Move in 1 bit State Intermediate 1 bit State Intermediate 1 bit State In 1 bit State Move 1 bit State	Mx at theoretical life value of 100 km (only guide consideration)	20 Nm
Max. feed force Fx Reference value effective load, horizontal 10 kg Reference value effective load, vertical 5 kg Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 24 V Features of logic input Configurable Not galvanically isolated NO-Link, Process data content OUT Move in 1 bit Move unt 1 bit Quit Error 1 bit Move untermediate 1 bit State in 1 bit State in 1 bit State Intermediate 1 bit State Intermediate 1 bit State Untermediate 1 bit State Out 1 bit State Dostion 32-bit speed IO-Link, Data storage required O.5 KB Switching logic for inputs Delic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	My at theoretical life value of 100 km (only guide consideration)	17 Nm
Reference value effective load, horizontal Reference value effective load, vertical Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) Static deflection (load in standstill) Number of digital logic outputs 24 V DC 2 Number of digital logic input Working range of logic input Configurable Not galvanically isolated 10-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move out 1 bit State In 1 bit State In 1 bit State In 1 bit State In 1 bit State Move 1 bit State Move 1 bit State Move 1 bit State Move 1 bit State Dut 1 bit Quit Brore 32-bit speed 10-Link, Service data IN 32-bit force 32-bit speed 10-Link, Data storage required Switching logic for inputs PMP (positive switching) Logic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	Mz at theoretical life value of 100 km (only guide consideration)	17 Nm
Reference value effective load, vertical Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length Number of digital logic outputs 24 V DC 2 Working range of logic input Configurable Not galvanically isolated 10-Link, Process data content OUT Move in 1 bit Move in 1 bit Move intermediate 1 bit State Intermediate 1 bit State Intermediate 1 bit State Not 1 bit State Not 1 bit State Not 1 bit State Move 1 bit State Out 1 bit State Device 1 bit State Dut 1 bit State D	Max. feed force Fx	100 N
Feed constant 10 mm/U Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 mm Static deflection (dad in standstill) 0.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Working range of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State In 1 bit State In 1 bit State In 1 bit State Intermediate 1 bit State Unt 1 bit State Out 1 bit Stat	Reference value effective load, horizontal	10 kg
Moving mass 220 g Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Working range of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State Device 1 bit State In 1 bit State In 1 bit State Move 1 bit State Move 1 bit State Out 1 bit State	Reference value effective load, vertical	5 kg
Product weight 2074 g Dynamic deflection (moving load) 0.05% of the axis length, max. 0.5 mm Static deflection (load in standstill) 0.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 24 V Working range of logic input 24 V Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State In 1 bit State In 1 bit State In 1 bit State In 1 bit State Move 1 bit Move Move Move Move Move Move Move Move	Feed constant	10 mm/U
Dynamic deflection (moving load) O.05% of the axis length, max. 0.5 mm Static deflection (load in standstill) O.1% of the axis length Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Working range of logic input Configurable Not galvanically isolated Nove in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State Device 1 bit State In 1 bit State In 1 bit State Nove 1 bit State Out 1 bit State	Moving mass	220 g
Static deflection (load in standstill) Number of digital logic outputs 24 V DC 2 Number of digital logic inputs 2 Working range of logic input 24 V Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State Device 1 bit State In 1 bit State In 1 bit State Out 1 bit State Device 1 bit State Out 1 bit Stat	Product weight	2074 g
Number of digital logic outputs 24 V DC Number of digital logic inputs 2 Working range of logic input 24 V Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State Device 1 bit State In 1 bit State In 1 bit State In 1 bit State Move 1 bit State Out 1 bit State Out 1 bit O-Link, Service data IN 32-bit force 32-bit position 32-bit speed IO-Link, Data storage required O.5 KB Switching logic for inputs PNP (positive switching) Logic interface, connection type Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	Dynamic deflection (moving load)	0.05% of the axis length, max. 0.5 mm
Number of digital logic inputs 2 Working range of logic input 24 V Features of logic input Configurable Not galvanically isolated 10-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit 10-Link, Process data content IN State Device 1 bit State In 1 bit State In 1 bit State Move 1 bit State Move 1 bit State Move 1 bit State Out 1 bit State Intermediate 1	Static deflection (load in standstill)	0.1% of the axis length
Working range of logic input 24 V Features of logic input Configurable Not galvanically isolated IO-Link, Process data content OUT Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit State Device 1 bit State In 1 bit State Intermediate 1 bit State Intermediate 1 bit IO-Link, Service data IN 32-bit force 32-bit speed IO-Link, Data storage required O.5 KB Switching logic for inputs PNP (positive switching) Logic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	Number of digital logic outputs 24 V DC	2
Features of logic input Configurable Not galvanically isolated Move in 1 bit Move out 1 bit Quit Error 1 bit Move intermediate 1 bit IO-Link, Process data content IN State Device 1 bit State In 1 bit State In 1 bit State In 1 bit State Until	Number of digital logic inputs	2
Not galvanically isolated Not galvanically isolated Move in 1 bit	Working range of logic input	24 V
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 content IN State Device 1 bit State In 1 bit State Intermediate 1 bit State Move 1 bit State Move 1 bit State Move 1 bit State Out 1 bit Stat	Features of logic input	
Move out 1 bit Quit Error 1 bit Move intermediate 1 bit 10-Link, Process data content IN State Device 1 bit State In 1 bit State In 1 bit State Intermediate 1 bit State Move 1 bit State Out 1 bit State Out 1 bit State Out 1 bit O'-Link, Service data IN 32-bit force 32-bit position 32-bit speed 10-Link, Data storage required 0.5 KB Switching logic for inputs PNP (positive switching) Logic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	IO-Link Process data content OUT	
IO-Link, Process data content IN State Device 1 bit State In 1 bit State Intermediate 1 bit State Move 1 bit State Out 1 bit	To Link, Frocess data content our	Move out 1 bit Quit Error 1 bit
32-bit position 32-bit speed IO-Link, Data storage required O.5 KB Switching logic for inputs PNP (positive switching) Logic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	IO-Link, Process data content IN	State Device 1 bit State In 1 bit State Intermediate 1 bit State Move 1 bit
Switching logic for inputs PNP (positive switching) Logic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	IO-Link, Service data IN	32-bit position
Logic interface, connection type Plug Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	IO-Link, Data storage required	0.5 KB
Logic interface, connection technology M12x1, A-coded according to EN 61076-2-101	Switching logic for inputs	PNP (positive switching)
	Logic interface, connection type	Plug
Logic interface, number of pins/wires 8	Logic interface, connection technology	M12x1, A-coded according to EN 61076-2-101
	Logic interface, number of pins/wires	8

Feature	Value
7,1	Via female thread Via centring sleeve and pin With accessories
Material end cap	Painted die cast aluminium
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material cover tape	High-alloy stainless steel
Material guide slide	Steel
Material guide rail	Steel