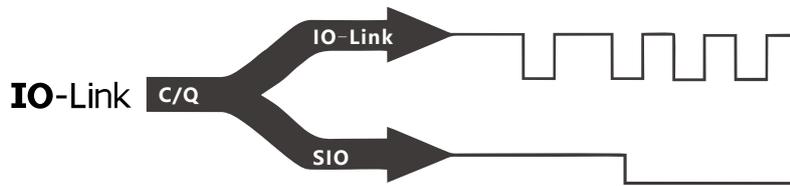




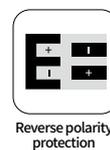
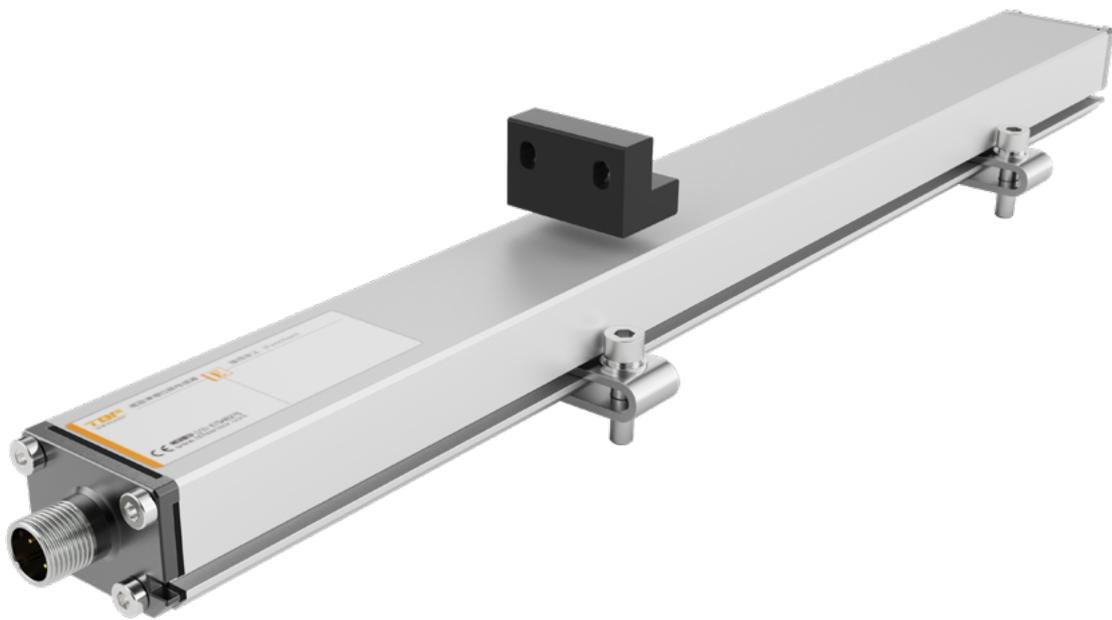
EP2-IO-Link

EP2-Series

Data Sheet



- + Updated new generation: stronger performance
- + Easily installed: integrated design, no protruding electronics housing
- + Easy to use: standard signal output, maintenance free
- + Widely applied in forging, building materials, rubber and plastic machinery and other fields
- + IO-Link signal output



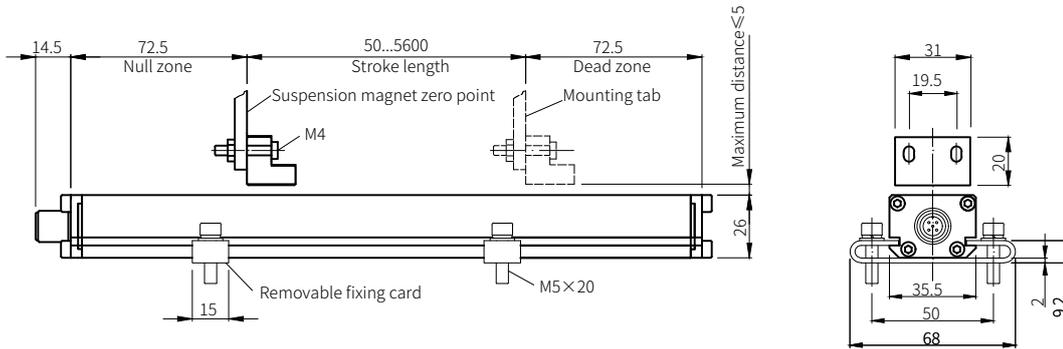
Input	Measured data	Position/Speed			
	Position measurement range	50mm...4500mm			
	Speed measurement range	0.01...10m/s			
Output	Interface	IO-Link 1.1			
	Data format	32-bit signed			
	Process data Master – Device	0 Byte			
	Transmission rate	Rate(bit/s) Port	4800 COM1	38400 COM2	230400 COM3*
Resolution	Position resolution	1/2/5*/10/20/50/100µm			
	None-Linearity	< ±0.01%F.S. (min. ±50µm)			
	Repeatability	< ±0.002%F.S. (min. ±10µm)			
	Update time	Stroke length	≤ 1200mm	≤ 2400mm	≤ 5600mm
		Update time	0.5ms	1ms	2ms
Temperature coefficient	< 30ppm/°C				
Mounting	Mounting position	Any			
	Fixation	Removable fixing card			
Design/ Material	Sensor cap	Aluminum alloy/Zinc alloy			
	Sensor profile	Aluminum alloy			
Electrical connection	Wiring connection	5 pin M12 connector			
	Operating voltage	+24VDC(-15/+20%)			
	Polarity protection	Up to -36VDC			
	Overvoltage protection	Up to +36VDC			
	Power consumption	< 40mA (varies with range size)			
	Dielectric strength	500 VDC (DC ground to machine ground)			
Operating conditions	Magnet speed	Any.			
	Operating temperature	-40...85°C			
	Humidity	90 % relative humidity, non- condensation			
	Ingress protection	IP67 (when connector is fitted)			
	Shock	100 g (single shock) IEC standard 60068-2-27			
	Vibration	15g/10...2000 Hz, IEC standard 60068-2-6 (resonant frequencies excluded)			
	EMC	Electromagnetic emission according to EN 61000-6-3 Electromagnetic immunity according to EN 61000-6-2			

ITEM CATEGORY PARAMETER

Note: “*” as default

5 pin M12 connector

EP2- _____ - D512- _____



FUNCTION -IO-Link

PIN-male	1	2	3	4	5
Function	+24VDC(-15/+20%)	NC	GND	C/Q (communication line)	NC



View on sensor

ORDER CODE

TECHNOLOGY PERCEIVES THE FUTURE

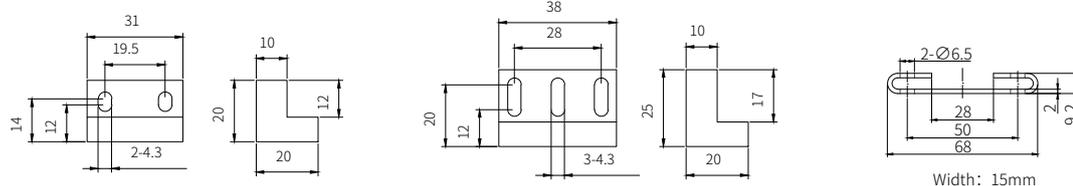


IO-Link Output Code	L [1][2][3]-[4]			
L Interface	[1] Resolution	[2] Output	[3] IO-Link version	[4] Magnet number
L IO-Link	1 5µm*	1 Position	1 V1.1, COM 1	1 one magnet *
	2 2µm	2 Position and speed*	2 V1.1, COM 2	2 two magnets
	3 10µm	3 2 positions	3 V1.1, COM 3*	
	4 50µm	4 2 positions and 2 speeds		
	5 100µm	5 Configurable outputs		
	7 20µm	(Speed : µm/s)		
	8 1µm			

Note: “*” as default

Model selection	Model: EP2-0600M-D512-L123-1
	Explanation: EP2 type II generation, stroke length 600mm, ,5 pin M12 connector, IO-Link output ,resolution 5µm ,position and speed measurement, V1.1,COM3,single magnet.

■ Please contact us for more customized products.



Name	Suspension magnet 31x20	Suspension magnet 38x25	Removable fixing card
Order code	12-1010	12-1009	11-1003



Connector	5 pin M12 female connector	5 pin M12 female connector (90 degree angle)
Name	Integral cable	Integral cable
Cable	5 wire 0.25mm ² shielded cable	5 wire 0.25mm ² shielded cable
Color/Diameter	Orange/ Ø 6	Orange/ Ø 6
Plug surface	 <ul style="list-style-type: none"> 1-Brown 2-Green 3-White 4-Gray 5-Yellow 	 <ul style="list-style-type: none"> 1-Brown 2-Green 3-White 4-Gray 5-Yellow
Length	5...30M	5/10/15/20/30M
Order code	16-1035	16-1040

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