ZE175□, ZE275

with the EMC Directive TÜV hein!

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Products compliant



Applicable cylinders

●Mini bit cylinders ●Jig cylinders C series ●Jig cylinders JC series ●Mini guide sliders ●Jig cylinders with guides ●Twin rod cylinders B series ●Rod sliders ●Multi sliders ●Z sliders ●WS ●WT ●ACYNote 2 ●ACZNote 2 ●Flat rodless cylindersNote 2 ORVNote 2 ORS, MRSNote 2 ORW, MRWNote 2 ●NHC1 series ●Air Hands NHB ●Wide type Air Hands WHDPNote 3 ●Flat type Air Hands ●RAG ●RAT ●Three-finger Hands

Notes: 1. Because the same conductor as the robot cable is used, it exhibits superior bending resistance.

2. Horizontal lead wire only

- 3. Vertical lead wire only

Specifications

Item Model	ZE175□	ZE275□
Wiring type	3-lead wire PNP output	
Lead wire direction	Horizontal	Vertical
Power supply voltage	DC4.5~28V	
Load voltage	DC4.5~28V	
Load current	50mA MAX.	
Consumption current	10mA MAX.(DC24V)	
Internal voltage drop Note 1	0.5V MAX. (10V or less at 20mA)	
Leakage current	50 μA MAX.(DC24V)	
Response time	1ms MAX.	
Insulation resistance	100MΩ MIN. (At DC500V Megger, between case and lead wire end)	
Dielectric strength	AC500V (50/60Hz) in 1 minute (Between case and lead wire end)	
Shock resistance Note 2	294.2m/s ² [30G] (Non-repeated shock)	
Vibration resistance Note 2	88.3m/s ² [9G] (Total amplitude 1.5mm [0.06in.], 10~55Hz)	
Environmental protection	IP67 (IEC standard), JIS C0920 (Water-proof type)	
Operation indicator	When ON: Red LED indicator lights up	
Lead wire Note 3	PCCV 0.15SQ $ imes$ 3-lead (Brown, blue, and black) $ imes \ell$	
Ambient temperature	0~60°C [32~140°F]	
Storage temperature range	−10~70°C [14~158°F]	
Mass	15g [0.53oz.] (For lead wire length A: 1000mm [39in.]), 35g [1.23oz.] (For lead wire length B: 3000mm [118in.]), 15g [0.53oz.] (For lead wire length G: 300mm [11.8in.] with M8 connector)	

Notes: 1. The internal voltage drop depends on load current.

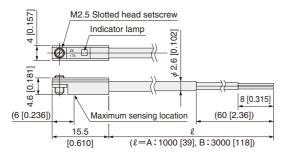
- 2. Measured by Koganei test standard.
- 3. Lead wire length ℓ : A; 1000mm [39in.], B; 3000mm [118in.], G; 300mm [11.8in.] with M8 connector

Internal Circuit

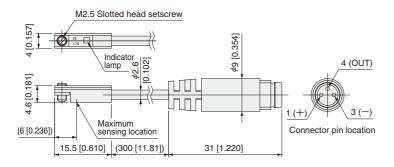
ZE175 □, **ZE**275 □ Brown (1 (+) Switch DC4.5~28V main circui Black Load Blue (External wiring) (Switch) Zener diode Diode (for surge suppression) (for reverse current protection)

● Horizontal Lead Wire

ZE175A ZE175B

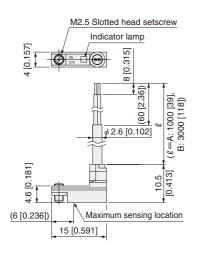


ZE175G



● Vertical Lead Wire **ZE275A**

ZE275B



ZE275G

