

ZE101□, 102□, 201□, 202□



## Reed Switch Type Sensor Switch

### Applicable 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 ● WT ● ACY <sup>Note</sup> ● ACZ <sup>Note</sup> ● WS ● Flat rodless cylinders ● ORV <sup>Note</sup> ● ORS <sup>Note</sup> ● MRS <sup>Note</sup> ● ORW, MRW ● RAG ● RAT ● DJ cylinders

Note: Only the horizontal lead wire type is available.

### Specifications

Item	Model	ZE101□	ZE102□	ZE201□	ZE202□
Wiring type		2-lead wire			
Lead wire direction		Horizontal		Vertical	
Load voltage		DC5~28V, AC85~115V	DC10~28V, AC85~115V	DC5~28V, AC85~115V	DC10~28V, AC85~115V
Load current		DC40mA MAX., AC20mA MAX.	DC5~40mA, AC5~20mA	DC40mA MAX., AC20mA MAX.	DC5~40mA, AC5~20mA
Internal voltage drop <sup>Note 1</sup>		0.1V MAX. (At DC40mA load current)	3.0V MAX.	0.1V MAX. (At DC40mA load current)	3.0V MAX.
Leakage current		0mA			
Response time		1ms MAX.			
Insulation resistance		100MΩ MIN. (At DC500V Megger, between case and lead wire end)			
Dielectric strength		AC1500V (50/60Hz) in 1 minute (Between case and lead wire end)			
Shock resistance <sup>Note 2</sup>		294m/s <sup>2</sup> [30G] (Non-repeated shock)			
Vibration resistance <sup>Note 2</sup>		88.3m/s <sup>2</sup> [9G] (Total amplitude 1.5mm [0.06in.], 10~55Hz, Resonance frequency 2750±250Hz)			
Environmental protection		IP67 (IEC standard), JIS C0920 (Water-proof type)			
Operation indicator		None	When ON: Red LED indicator lights up	None	When ON: Red LED indicator lights up
Lead wire <sup>Note 3</sup>		PCCV 0.2SQ×2-lead (Brown and blue)×ℓ			
Ambient temperature		0~60°C [32~140°F]			
Storage temperature range		-10~70°C [14~158°F]			
Contact protection		Required (See contact protection on p.1566.)			
Mass		15g [0.53oz.] (For lead wire length A: 1000mm), 35g [1.23oz.] (For lead wire length B: 3000mm )			

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

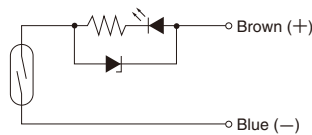
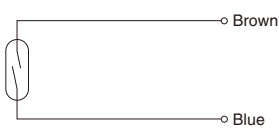
2. Measured by Koganei test standard.

3. Lead wire length ℓ : A; 1000mm [39in.], B; 3000mm [118in.]

### Internal Circuit

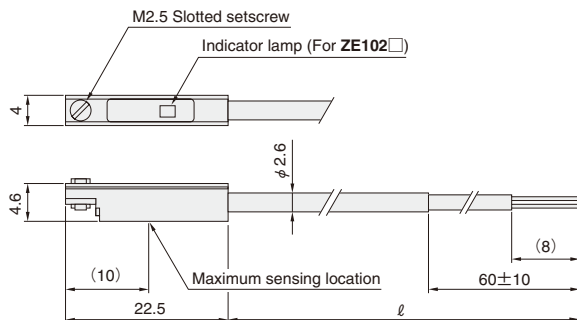
ZE101□, ZE201□

ZE102□, ZE202□



### Dimensions (mm)

● Horizontal lead wire ZE101□, ZE102□



● Vertical lead wire ZE201□, ZE202□

