

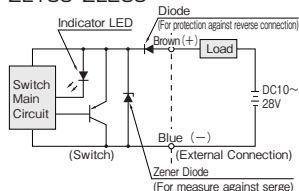
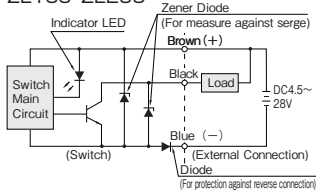
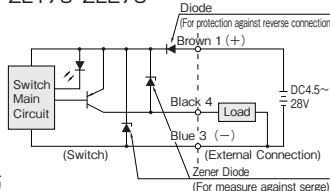
Specifications

Item	Type	ZE135/ZE235	ZE155/ZE255	ZE175/ZE275
Wiring Method		2 Wire System	3 Wire System NPN Type	3 Wire System PNP Type
Lead Wire Leading Direction		ZE135 : Straight Type/ZE235 : L-shaped	ZE155: Straight Type/ZE255: L-shaped	ZE175: Straight Type/ZE275: L-shaped
Power-supply Voltage		—	DC4.5~28V	
Load Voltage		DC10~28V	DC4.5~28V	
Load Current		2.5~20mA(At 25℃, 10mA at 60℃)	40mA MAX.	
Consumption Current at ON		—	8mA MAX.(DC24V)	10mA MAX.(DC24V)
Internal Drop Voltage ^{Note 1)}		4V MAX.	2V MAX. (0.8V MAX incase of the load less than 10mA)	
Leak Current		0.7mA MAX.(DC24V, 25℃)	50μA MAX.(DC24V)	
Delay Time		1 ms MAX.		
Insulation Resistance ^{Note 2)}		100MQ MIN. (Between case and lead wire terminal at DC 500V Mega)		
Withstand Voltage ^{Note 2)}		AC500V(50/60Hz) 1 minute (Between case and lead wire terminal)		
Shock Resistance		294m/s² {30.0G} (Non-repetitive)		
Vibration Resistance		Double amplitude 1.5mm·10~55Hz {88.3m/s² (9.0G)}		
Protection Structure		IEC IP67, JIS C0920 (Watertight type)		
Operation Indicator		Red LED indicator illuminates at ON		
Lead Wire ^{Note 3)}		PCCV0.2SQ×2 cores (brown, blue)×ℓ ^{Note 3)}	PCCV0.15SQ×3 cores (brown, blue, black)×ℓ ^{Note 3)}	
Operating Temperature Range		0~60℃		
Storage Temperature Range		-10~70℃		
Mass		15 g (When the lead wire length A is 1 m), 35 g (When the lead wire length B is 3 m), 15g (When the lead wire length 300mm, with M8 connector)		

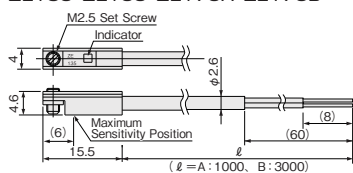
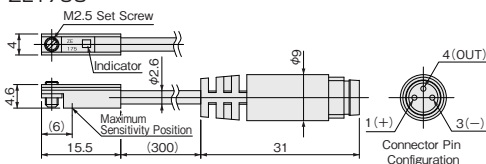
Note 1): The internal drop voltage changes depending on the load current. Note 2): As per our test standards. Note 3): Lead wire length L: A: 1000mm, B: 3000mm, G: 300mm with M8 connector.

●Equipped with Standard Robot Cables.

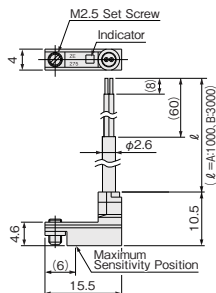
Because it uses the same conductors as those used in robot cables, it has excellent resistance to bending.

Internal Circuit**ZE135·ZE235****ZE155·ZE255****ZE175·ZE275****Outside Dimensions [mm]**

●Lead Wire Straight Type

ZE135·ZE155·ZE175A·ZE175B**ZE175G**

●Lead Wire L-shaped

ZE235·ZE255·ZE275A·ZE275B**ZE275G**