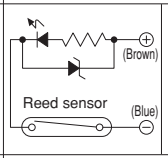
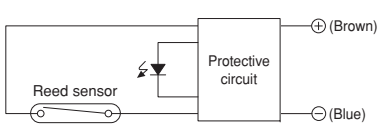
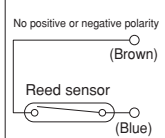

With cord


With connector

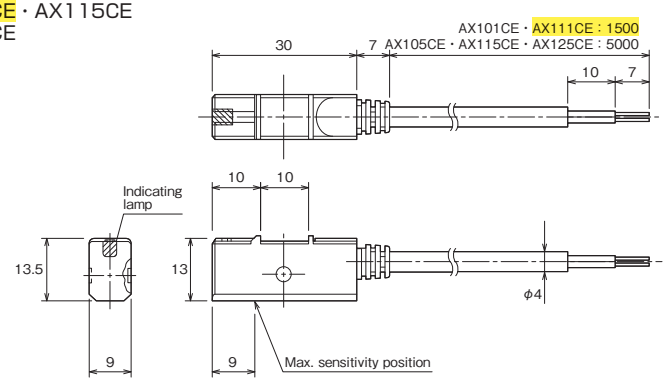
Sensor Specifications

Type	With cord (1.5 m)	**AX101CE**	**AX111CE**	—	—	—
	With cord (5 m)	**AX105CE**	**AX115CE**	—	—	**AX125CE**
	With connector (for AC)	—	—	**AX11ACE**	—	—
	With connector (for DC)	—	—	—	**AX11BCE**	—
Load voltage range		AC : 5 to 120V DC : 5 to 30V		AC : 5 to 120V	DC : 5 to 30V	AC : 120V or less DC : 30V or less
Load current range		AC : 5 to 20mA DC : 5 to 40mA		5 to 20mA	5 to 40mA	AC : 20mA or less DC : 40mA or less
Max. switching capacity		AC : 2VA DC : 1.5W				
Internal voltage drop		2 V (at 10 mA) 3 V or less				0V
Leakage current		0μA	10μA or less			0μA
Operating time		1 ms or less				
Return time		1 ms or less				
Insulation resistance		100 MΩ or more on 500-VDC Megger (between case and cord)				
Withstand voltage		1500 V AC for 1 min (between case and cord)				
Impact resistance		294m/s² (unrepeated)				
Vibration resistance		Double amplitude 1.5 mm, 10 to 55 Hz (1 sweep, 1 min), 2 hrs in each of X, Y and Z directions				
Ambient temperature		−10 to +70℃ (no freezing)				−10 to +100℃ (no freezing)
Wiring method		0.3 mm², 2-core, outer dia. ϕ4 mm, oil-proof cabtyre cord				
Protection structure		IP67 (IEC Standard), JIS C0920 (dust-proof and submersible)				
Output protective circuit		Note) None	Provided			Note) None
Indicating lamp		LED (lights in red with sensing)				None
Electric circuit						
Applicable load		Small relay, programmable controller				IC, Small relay, programmable controller

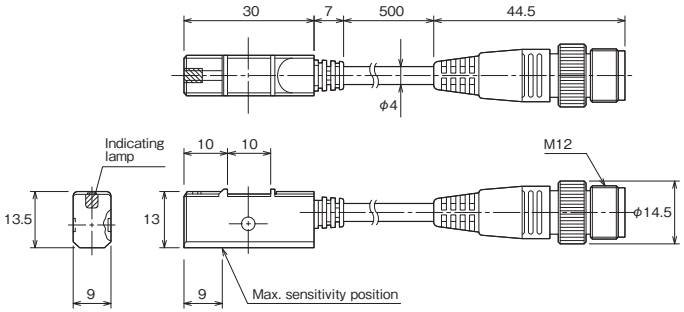
Notes) ● When using any induction load (relay, etc.), be sure to provide a protective circuit (SK-100) with the load.
● For the length of the cord with connector and the connector pin arrangement, see the dimensional drawings.
● When an AC voltage input type programmable controller is used as a load, select a sensor with contact protective circuit.

Dimensional Drawings

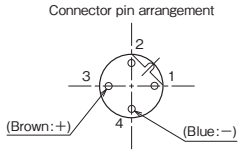
● Cord type
AX101CE・AX105CE
AX111CE・AX115CE
AX125CE



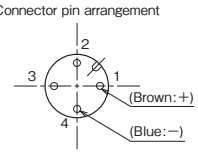
● Connector type
AX11ACE・AX11BCE



AX11ACE (for AC)



AX11BCE (for DC)



Applicable Mating Connectors

Manufacturer	Connector series name	
Correns Corporation	VA connector	VA-4DS, VA-4DL
OMRON Corporation	XS2 sensor I/O connector	XS2
Hirose Electric Co., Ltd.	Connector for FA sensor	HR24

● For details, see the catalog of each connector manufacturer.

● Connector standard numbers
Models M12X1 screw locking
・IEC 947-5-2
・DIN/VDE 0660 part 208 A2
・NECA (Nippon Electric Control Equipment Industries Association) 4202 Connectors for FA sensors

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