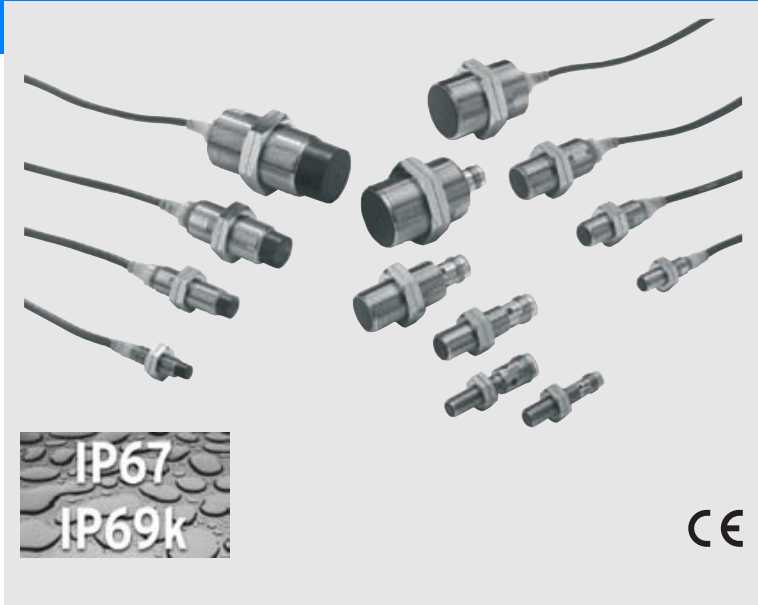


Cylindrical Proximity Sensor E2A

High quality for extra long life in daily use

- wide portfolio range through modular concept
- designed and tested for extra long life
- IP67 and IP69k for highest protection in wet environments
- continuously high quality level through specialized manufacturing process
- DC 3-wire and DC 2-wire models
- Normally open (NO), normally closed (NC) and antivalent (NO+NC) models
- up to 30mm sensing distance
- Stainless steel and brass housings
- Pre-wired versions with different cable materials and diameters, M8 and M12 connector types, pre-wired types with cable end connectors



Ordering Information

DC 3-wire models (NO + NC: DC 4-wire) *2

Size		Sensing distance	Conne- ction	Body material	Thread length (overall length)	Output confi- guration	Operation mode NO	Operation mode NC
M8	Shielded	2.0 mm	Pre-wired	Stain- less steel*1	27 (40)	PNP	E2A-S08KS02-WP-B1 2M	E2A-S08KS02-WP-B2 2M
					NPN	E2A-S08KS02-WP-C1 2M	E2A-S08KS02-WP-C2 2M	
			49 (62)		PNP	E2A-S08LS02-WP-B1 2M	E2A-S08LS02-WP-B2 2M	
			NPN		E2A-S08LS02-WP-C1 2M	E2A-S08LS02-WP-C2 2M		
			M12 connector		27 (43)	PNP	E2A-S08KS02-M1-B1	E2A-S08KS02-M1-B2
					NPN	E2A-S08KS02-M1-C1	E2A-S08KS02-M1-C2	
					49 (65)	PNP	E2A-S08LS02-M1-B1	E2A-S08LS02-M1-B2
					NPN	E2A-S08LS02-M1-C1	E2A-S08LS02-M1-C2	
		M8 connector (3-pin)	27 (39)		PNP	E2A-S08KS02-M5-B1	E2A-S08KS02-M5-B2	
			NPN		E2A-S08KS02-M5-C1	E2A-S08KS02-M5-C2		
			49 (61)		PNP	E2A-S08LS02-M5-B1	E2A-S08LS02-M5-B2	
			NPN		E2A-S08LS02-M5-C1	E2A-S08LS02-M5-C2		
		M8 connector (4-pin)	27 (39)		PNP	E2A-S08KS02-M3-B1	E2A-S08KS02-M3-B2	
			NPN		E2A-S08KS02-M3-C1	E2A-S08KS02-M3-C2		
			49 (61)		PNP	E2A-S08LS02-M3-B1	E2A-S08LS02-M3-B2	
			NPN		E2A-S08LS02-M3-C1	E2A-S08LS02-M3-C2		
	Non-shielded	4.0 mm	Pre-wired		27 (40)	PNP	E2A-S08KN04-WP-B1 2M	E2A-S08KN04-WP-B2 2M
					NPN	E2A-S08KN04-WP-C1 2M	E2A-S08KN04-WP-C2 2M	
			49 (62)		PNP	E2A-S08LN04-WP-B1 2M	E2A-S08LN04-WP-B2 2M	
			NPN		E2A-S08LN04-WP-C1 2M	E2A-S08LN04-WP-C2 2M		
			M12 connector		27 (43)	PNP	E2A-S08KN04-M1-B1	E2A-S08KN04-M1-B2
					NPN	E2A-S08KN04-M1-C1	E2A-S08KN04-M1-C2	
					49 (65)	PNP	E2A-S08LN04-M1-B1	E2A-S08LN04-M1-B2
					NPN	E2A-S08LN04-M1-C1	E2A-S08LN04-M1-C2	
		M8 connector (3-pin)	27 (39)		PNP	E2A-S08KN04-M5-B1	E2A-S08KN04-M5-B2	
			NPN		E2A-S08KN04-M5-C1	E2A-S08KN04-M5-C2		
			49 (61)		PNP	E2A-S08LN04-M5-B1	E2A-S08LN04-M5-B2	
			NPN		E2A-S08LN04-M5-C1	E2A-S08LN04-M5-C2		
		M8 connector (4 pin)	27 (39)		PNP	E2A-S08KN04-M3-B1	E2A-S08KN04-M3-B2	
			NPN		E2A-S08KN04-M3-C1	E2A-S08KN04-M3-C2		
			49 (61)		PNP	E2A-S08LN04-M3-B1	E2A-S08LN04-M3-B2	
			NPN		E2A-S08LN04-M3-C1	E2A-S08LN04-M3-C2		

Size		Sensing distance	Connection	Body material	Thread length (overall length)	Output configuration	Operation mode NO	Operation mode NC	Operation mode NO + NC
M12	Shielded	4.0 mm	Pre-wired	Brass ^{*3}	34 (50)	PNP	E2A-M12KS04-WP-B1 2M	E2A-M12KS04-WP-B2 2M	E2A-M12KS04-WP-B3 2M
						NPN	E2A-M12KS04-WP-C1 2M	E2A-M12KS04-WP-C2 2M	E2A-M12KS04-WP-C3 2M
					56 (72)	PNP	E2A-M12LS04-WP-B1 2M	E2A-M12LS04-WP-B2 2M	E2A-M12LS04-WP-B3 2M
						NPN	E2A-M12LS04-WP-C1 2M	E2A-M12LS04-WP-C2 2M	E2A-M12LS04-WP-C3 2M
			M12 connector	Brass ^{*3}	34 (48)	PNP	E2A-M12KS04-M1-B1	E2A-M12KS04-M1-B2	E2A-M12KS04-M1-B3
						NPN	E2A-M12KS04-M1-C1	E2A-M12KS04-M1-C2	E2A-M12KS04-M1-C3
					56 (70)	PNP	E2A-M12LS04-M1-B1	E2A-M12LS04-M1-B2	E2A-M12LS04-M1-B3
						NPN	E2A-M12LS04-M1-C1	E2A-M12LS04-M1-C2	E2A-M12LS04-M1-C3
			M8 connector (3-pin)	Brass ^{*3}	34 (48)	PNP	E2A-M12KS04-M5-B1	E2A-M12KS04-M5-B2	n.a.
						NPN	E2A-M12KS04-M5-C1	E2A-M12KS04-M5-C2	n.a.
					56 (70)	PNP	E2A-M12LS04-M5-B1	E2A-M12LS04-M5-B2	n.a.
						NPN	E2A-M12LS04-M5-C1	E2A-M12LS04-M5-C2	n.a.
			M8 connector (4-pin)	Brass ^{*3}	34 (48)	PNP	E2A-M12KS04-M3-B1	E2A-M12KS04-M3-B2	n.a.
						NPN	E2A-M12KS04-M3-C1	E2A-M12KS04-M3-C2	n.a.
					56 (70)	PNP	E2A-M12LS04-M3-B1	E2A-M12LS04-M3-B2	n.a.
						NPN	E2A-M12LS04-M3-C1	E2A-M12LS04-M3-C2	n.a.
	Non-shielded	8.0 mm	Pre-wired	Brass ^{*3}	34 (50)	PNP	E2A-M12KN08-WP-B1 2M	E2A-M12KN08-WP-B2 2M	E2A-M12KN08-WP-B3 2M
						NPN	E2A-M12KN08-WP-C1 2M	E2A-M12KN08-WP-C2 2M	E2A-M12KN08-WP-C3 2M
					56 (72)	PNP	E2A-M12LN08-WP-B1 2M	E2A-M12LN08-WP-B2 2M	E2A-M12LN08-WP-B3 2M
						NPN	E2A-M12LN08-WP-C1 2M	E2A-M12LN08-WP-C2 2M	E2A-M12LN08-WP-C3 2M
			M12 connector	Brass ^{*3}	34 (48)	PNP	E2A-M12KN08-M1-B1	E2A-M12KN08-M1-B2	E2A-M12KN08-M1-B3
						NPN	E2A-M12KN08-M1-C1	E2A-M12KN08-M1-C2	E2A-M12KS08-M1-C3
					56 (70)	PNP	E2A-M12LN08-M1-B1	E2A-M12LN08-M1-B2	E2A-M12LS08-M1-B3
						NPN	E2A-M12LN08-M1-C1	E2A-M12LN08-M1-C2	E2A-M12LS08-M1-C3
			M8 connector (3-pin)	Brass ^{*3}	34 (48)	PNP	E2A-M12KN08-M5-B1	E2A-M12KN08-M5-B2	n.a.
						NPN	E2A-M12KN08-M5-C1	E2A-M12KN08-M5-C2	n.a.
					56 (70)	PNP	E2A-M12LN08-M5-B1	E2A-M12LN08-M5-B2	n.a.
						NPN	E2A-M12LN08-M5-C1	E2A-M12LN08-M5-C2	n.a.
			M8 connector (4-pin)	Brass ^{*3}	34 (48)	PNP	E2A-M12KN08-M3-B1	E2A-M12KN08-M3-B2	n.a.
						NPN	E2A-M12KN08-M3-C1	E2A-M12KN08-M3-C2	n.a.
					56 (70)	PNP	E2A-M12LN08-M3-B1	E2A-M12LN08-M3-B2	n.a.
						NPN	E2A-M12LN08-M3-C1	E2A-M12LN08-M3-C2	n.a.
M18	Shielded	8.0 mm	Pre-wired	Brass ^{*3}	39 (59)	PNP	E2A-M18KS08-WP-B1 2M	E2A-M18KS08-WP-B2 2M	E2A-M18KS08-WP-B3 2M
						NPN	E2A-M18KS08-WP-C1 2M	E2A-M18KS08-WP-C2 2M	E2A-M18KS08-WP-C3 2M
					61 (81)	PNP	E2A-M18LS08-WP-B1 2M	E2A-M18LS08-WP-B2 2M	E2A-M18LS08-WP-B3 2M
						NPN	E2A-M18LS08-WP-C1 2M	E2A-M18LS08-WP-C2 2M	E2A-M18LS08-WP-C3 2M
			M12 connector	Brass ^{*3}	39 (53)	PNP	E2A-M18KS08-M1-B1	E2A-M18KS08-M1-B2	E2A-M18KS08-M1-B3
						NPN	E2A-M18KS08-M1-C1	E2A-M18KS08-M1-C2	E2A-M18KS08-M1-C3
					61 (75)	PNP	E2A-M18LS08-M1-B1	E2A-M18LS08-M1-B2	E2A-M18LS08-M1-B3
						NPN	E2A-M18LS08-M1-C1	E2A-M18LS08-M1-C2	E2A-M18LS08-M1-C3
			M8 connector (3-pin)	Brass ^{*3}	39 (53)	PNP	E2A-M18KS08-M5-B1	E2A-M18KS08-M5-B2	n.a.
						NPN	E2A-M18KS08-M5-C1	E2A-M18KS08-M5-C2	n.a.
					61 (75)	PNP	E2A-M18LS08-M5-B1	E2A-M18LS08-M5-B2	n.a.
						NPN	E2A-M18LS08-M5-C1	E2A-M18LS08-M5-C2	n.a.
			M8 connector (4-pin)	Brass ^{*3}	39 (53)	PNP	E2A-M18KS08-M3-B1	E2A-M18KS08-M3-B2	n.a.
						NPN	E2A-M18KS08-M3-C1	E2A-M18KS08-M3-C2	n.a.
					61 (75)	PNP	E2A-M18LS08-M3-B1	E2A-M18LS08-M3-B2	n.a.
						NPN	E2A-M18LS08-M3-C1	E2A-M18LS08-M3-C2	n.a.
	Non-shielded	16.0 mm	Pre-wired	Brass ^{*3}	39 (59)	PNP	E2A-M18KN16-WP-B1 2M	E2A-M18KN16-WP-B2 2M	E2A-M18KN16-WP-B3 2M
						NPN	E2A-M18KN16-WP-C1 2M	E2A-M18KN16-WP-C2 2M	E2A-M18KN16-WP-C3 2M
					61 (81)	PNP	E2A-M18LN16-WP-B1 2M	E2A-M18LN16-WP-B2 2M	E2A-M18LN16-WP-B3 2M
						NPN	E2A-M18LN16-WP-C1 2M	E2A-M18LN16-WP-C2 2M	E2A-M18LN16-WP-C3 2M
			M12 connector	Brass ^{*3}	39 (53)	PNP	E2A-M18KN16-M1-B1	E2A-M18KN16-M1-B2	E2A-M18KN16-M1-B3
						NPN	E2A-M18KN16-M1-C1	E2A-M18KN16-M1-C2	E2A-M18KS16-M1-C3
					61 (75)	PNP	E2A-M18LN16-M1-B1	E2A-M18LN16-M1-B2	E2A-M18LS16-M1-B3
						NPN	E2A-M18LN16-M1-C1	E2A-M18LN16-M1-C2	E2A-M18LS16-M1-C3
			M8 connector (3-pin)	Brass ^{*3}	39 (53)	PNP	E2A-M18KN16-M5-B1	E2A-M18KN16-M5-B2	n.a.
						NPN	E2A-M18KN16-M5-C1	E2A-M18KN16-M5-C2	n.a.
					61 (75)	PNP	E2A-M18LN16-M5-B1	E2A-M18LN16-M5-B2	n.a.
						NPN	E2A-M18LN16-M5-C1	E2A-M18LN16-M5-C2	n.a.
			M8 connector (4-pin)	Brass ^{*3}	39 (53)	PNP	E2A-M18KN16-M3-B1	E2A-M18KN16-M3-B2	n.a.
						NPN	E2A-M18KN16-M3-C1	E2A-M18KN16-M3-C2	n.a.
					61 (75)	PNP	E2A-M18LN16-M3-B1	E2A-M18LN16-M3-B2	n.a.
						NPN	E2A-M18LN16-M3-C1	E2A-M18LN16-M3-C2	n.a.

Size	Sensing distance	Connec-tion	Body material	Thread length (overall length)	Output confi-guration	Operation mode NO	Operation mode NC	Operation mode NO + NC
M30	Shielded	Pre-wired	Brass ^{*3}	44 (64)	PNP	E2A-M30KS15-WP-B1 2M	E2A-M30KS15-WP-B2 2M	E2A-M30KS15-WP-B3 2M
					NPN	E2A-M30KS15-WP-C1 2M	E2A-M30KS15-WP-C2 2M	E2A-M30KS15-WP-C3 2M
				66 (86)	PNP	E2A-M30LS15-WP-B1 2M	E2A-M30LS15-WP-B2 2M	E2A-M30LS15-WP-B3 2M
					NPN	E2A-M30LS15-WP-C1 2M	E2A-M30LS15-WP-C2 2M	E2A-M30LS15-WP-C3 2M
		M12 connector	Brass ^{*3}	44 (58)	PNP	E2A-M30KS15-M1-B1	E2A-M30KS15-M1-B2	E2A-M30KS15-M1-B3
					NPN	E2A-M30KS15-M1-C1	E2A-M30KS15-M1-C2	E2A-M30KS15-M1-C3
				66 (80)	PNP	E2A-M30LS15-M1-B1	E2A-M30LS15-M1-B2	E2A-M30LS15-M1-B3
					NPN	E2A-M30LS15-M1-C1	E2A-M30LS15-M1-C2	E2A-M30LS15-M1-C3
		M8 connector (3-pin)	Brass ^{*3}	44 (58)	PNP	E2A-M30KS15-M5-B1	E2A-M30KS15-M5-B2	n.a.
					NPN	E2A-M30KS15-M5-C1	E2A-M30KS15-M5-C2	n.a.
				66 (80)	PNP	E2A-M30LS15-M5-B1	E2A-M30LS15-M5-B2	n.a.
					NPN	E2A-M30LS15-M5-C1	E2A-M30LS15-M5-C2	n.a.
	Non-shielded	Pre-wired	Brass ^{*3}	44 (64) (See note.)	PNP	E2A-M30KN20-WP-B1 2M	E2A-M30KN20-WP-B2 2M	E2A-M30KN20-WP-B3 2M
					NPN	E2A-M30KN20-WP-C1 2M	E2A-M30KN20-WP-C2 2M	E2A-M30KN20-WP-C3 2M
				66 (86)	PNP	E2A-M30LN30-WP-B1 2M	E2A-M30LN30-WP-B2 2M	E2A-M30LN30-WP-B3 2M
					NPN	E2A-M30LN30-WP-C1 2M	E2A-M30LN30-WP-C2 2M	E2A-M30LN30-WP-C3 2M
		M12 connector	Brass ^{*3}	44 (58) (See note.)	PNP	E2A-M30KN20-M1-B1	E2A-M30KN20-M1-B2	E2A-M30KN20-M1-B3
					NPN	E2A-M30KN20-M1-C1	E2A-M30KN20-M1-C2	E2A-M30KN20-M1-C3
				66 (80)	PNP	E2A-M30LN30-M1-B1	E2A-M30LN30-M1-B2	E2A-M30LN30-M1-B3
					NPN	E2A-M30LN30-M1-C1	E2A-M30LN30-M1-C2	E2A-M30LN30-M1-C3
		M8 connector (3-pin)	Brass ^{*3}	44 (58) (See note.)	PNP	E2A-M30KN20-M5-B1	E2A-M30KN20-M5-B2	n.a.
					NPN	E2A-M30KN20-M5-C1	E2A-M30KN20-M5-C2	n.a.
				66 (80)	PNP	E2A-M30LN30-M5-B1	E2A-M30LN30-M5-B2	n.a.
					NPN	E2A-M30LN30-M5-C1	E2A-M30LN30-M5-C2	n.a.
		M8 connector (4-pin)	Brass ^{*3}	44 (58) (See note.)	PNP	E2A-M30KN20-M3-B1	E2A-M30KN20-M3-B2	n.a.
					NPN	E2A-M30KN20-M3-C1	E2A-M30KN20-M3-C2	n.a.
				66 (80)	PNP	E2A-M30LN30-M3-B1	E2A-M30LN30-M3-B2	n.a.
					NPN	E2A-M30LN30-M3-C1	E2A-M30LN30-M3-C2	n.a.

*1. Material specifications for stainless steel housing case: 1.4305 (W.-No.), SUS 303 (AISI), 2346 (SS). Please contact your OMRON representative for other stainless steel materials.

*2. Please contact your OMRON representative for DC 2-wire models.

*3. Stainless steel models are also available. Please contact your OMRON representative.

Note: M30 non-shielded Models with double sensing distance and short barrels cannot be mounted due to the necessary separation distance from the surrounding metal. Standard sensing models are thus available.