



Extended sensing range inductive sensor in cylindrical brass housing

The high quality and the long-life design of the E2A extended sensing distance provide the best value performance ratio for standard applications

- Extended (double) sensing distance
- IP67 and IP69k for highest water protection
- DC 3-wire (NO, NC), DC 4-wire (NO+NC)
- Wide installation and connectivity range through modular concept

Ordering information

Pre-wired

(For different cable materials and lengths, special housing length or special connectors, please refer to complete datasheet.)

Size			Sensing distance	Thread length (overall length)	Output configuration	Order code (for pre-wired types with 2m cable length)		
						Operation mode NO	Operation mode NC	Operation mode NO + NC
M8	■	—	2.0 mm	27 (40) mm	PNP ^{*1}	E2A-S08KS02-WP-B1 2M	E2A-S08KS02-WP-B2 2M	E2A-S08LS02-WP-B3 2M ^{*2}
	—	■	4.0 mm	21 (40) mm	PNP ^{*1}	E2A-S08KN04-WP-B1 2M	E2A-S08KN04-WP-B2 2M	E2A-S08LN04-WP-B3 2M ^{*2}
M12	■	—	4.0 mm	34 (50) mm	PNP ^{*1}	E2A-M12KS04-WP-B1 2M	E2A-M12KS04-WP-B2 2M	E2A-M12KS04-WP-B3 2M
	—	■	8.0 mm	27 (50) mm	PNP ^{*1}	E2A-M12KN08-WP-B1 2M	E2A-M12KN08-WP-B2 2M	E2A-M12KN08-WP-B3 2M
M18	■	—	8.0 mm	39 (59) mm	PNP ^{*1}	E2A-M18KS08-WP-B1 2M	E2A-M18KS08-WP-B2 2M	E2A-M18KS08-WP-B3 2M
	—	■	16.0 mm	29 (59) mm	PNP ^{*1}	E2A-M18KN16-WP-B1 2M	E2A-M18KN16-WP-B2 2M	E2A-M18KN16-WP-B3 2M
M30	■	—	15.0 mm	44 (64) mm	PNP ^{*1}	E2A-M30KS15-WP-B1 2M	E2A-M30KS15-WP-B2 2M	E2A-M30KS15-WP-B3 2M
	—	■	20.0 mm ^{*3}	29 (64) mm	PNP ^{*1}	E2A-M30KN20-WP-B1 2M	E2A-M30KN20-WP-B2 2M	E2A-M30KN20-WP-B3 2M

Connector versions (M12)

Size			Sensing distance	Thread length (overall length)	Output configuration	Order code (for M12 connector types)		
						Operation mode NO	Operation mode NC	Operation mode NO + NC
M8	■	—	2.0 mm	27 (43) mm	PNP ^{*1}	E2A-S08KS02-M1-B1	E2A-S08KS02-M1-B2	E2A-S08LS02-M1-B3 ^{*2}
	—	■	4.0 mm	21 (43) mm	PNP ^{*1}	E2A-S08KN04-M1-B1	E2A-S08KN04-M1-B2	E2A-S08LN04-M1-B3 ^{*2}
M12	■	—	4.0 mm	24 (48) mm	PNP ^{*1}	E2A-M12KS04-M1-B1	E2A-M12KS04-M1-B2	E2A-M12KS04-M1-B3
	—	■	8.0 mm	27 (48) mm	PNP ^{*1}	E2A-M12KN08-M1-B1	E2A-M12KN08-M1-B2	E2A-M12KN08-M1-B3
M18	■	—	8.0 mm	39 (53) mm	PNP ^{*1}	E2A-M18KS08-M1-B1	E2A-M18KS08-M1-B2	E2A-M18KS08-M1-B3
	—	■	16.0 mm	29 (53) mm	PNP ^{*1}	E2A-M18KN16-M1-B1	E2A-M18KN16-M1-B2	E2A-M18KN16-M1-B3
M30	■	—	15.0 mm	44 (58) mm	PNP ^{*1}	E2A-M30KS15-M1-B1	E2A-M30KS15-M1-B2	E2A-M30KS15-M1-B3
	—	■	20.0 mm ^{*3}	29 (58) mm	PNP ^{*1}	E2A-M30KN20-M1-B1	E2A-M30KN20-M1-B2	E2A-M30KN20-M1-B3

^{*1} NPN models are also available.

^{*2} Longer housing models.

^{*3} Models with longer sensing distances of 30 mm and 35 mm are available.

M8 connectors and different cables? Go to www.industrial.omron.eu/E2A

For cable connectors see page 19

General purpose

Food, Beverage and Pharma

Automotive

Semiconductor

Material handling

Accessories