

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	15.0 mm	Pre-wired	Brass <sup>*3</sup>	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 <sup>*3</sup>	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 <sup>*3</sup>	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.			
	M8 connector (4-pin)	Brass <sup>*3</sup>	44 (58)	PNP	E2A-M30KS15-M3-B1	E2A-M30KS15-M3-B2	n.a.		
				NPN	E2A-M30KS15-M3-C1	E2A-M30KS15-M3-C2	n.a.		
			66 (80)	PNP	E2A-M30LS15-M3-B1	E2A-M30LS15-M3-B2	n.a.		
		NPN	E2A-M30LS15-M3-C1	E2A-M30LS15-M3-C2	n.a.				
	Non-shielded	20.0 mm	Pre-wired	Brass <sup>*3</sup>	44 (64)	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
					30.0 mm	66 (86)	PNP	E2A-M30LN30-WP-B1 2M	E2A-M30LN30-WP-B2 2M
				NPN	E2A-M30LN30-WP-C1 2M	E2A-M30LN30-WP-C2 2M	E2A-M30LN30-WP-C3 2M		
			M12 connector	Brass <sup>*3</sup>	44 (58)	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
		30.0 mm			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 <sup>*3</sup>	44 (58)	PNP	E2A-M30KN20-M5-B1	E2A-M30KN20-M5-B2	n.a.	
					NPN	E2A-M30KN20-M5-C1	E2A-M30KN20-M5-C2	n.a.	
				30.0 mm	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 <sup>*3</sup>	44 (58)	PNP	E2A-M30KN20-M3-B1	E2A-M30KN20-M3-B2	n.a.	
					NPN	E2A-M30KN20-M3-C1	E2A-M30KN20-M3-C2	n.a.	
				30.0 mm	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.

## Connectivity

The E2A sensors are available with the following connectors and cable materials:

### Pre-wired models



Standard cable lengths are 2m and 5m.  
For other cable lengths please contact your OMRON representative.

Standard cable material: PVC (dia 4mm) -WP

Other available cable materials and sizes:

- PVC (dia 6mm) -WS
- PUR/PVC – PUR jacket (dia 4mm) -WA
- PUR/PVC – PUR jacket (dia 6mm) -WB
- PVC robotic cable (dia 4mm) -WR

### Pre-wired models with cable end connectors



All pre-wired models can be fitted with cable and connectors.

Standard cable end connectors:

- M12 M1J
- M8 (4 pin) M3J
- M8 (3 pin) M5J

Other cable end connectors are available on request.

### Connector models



Standard connectors: M12, M8 (4 or 3 pin) -M1, -M3, -M5