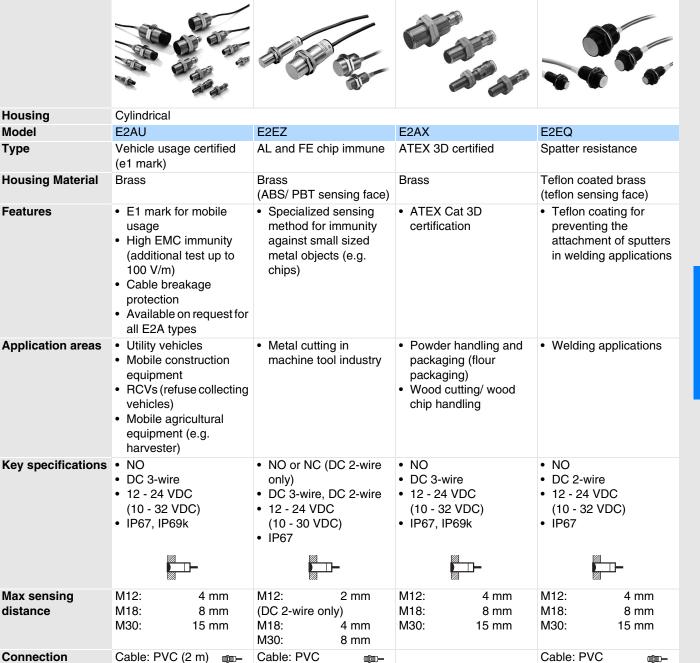
Connector: M12

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## Special Purpose Inductive Proximity Switches OVERVIEW



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Connector: M12

(CD)

Connector: M12

D-171

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Connector: M12

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Housing	Cylindrical			
Model	E2F, E2E	E2E	E2C-EDA	E2EL
Туре	AC power supply	Oil resistant	High precision positioning	Increased switching frequency for high speed applications
<b>Housing Material</b>	Plastic, brass	Brass	Brass	Brass, stainless steel
Features	24 - 240 VAC direct switching	<ul><li>tested oil restistance</li><li>designed for automative users</li></ul>	Accuracy 1µm	Up to 5kHz switching frequency
Application areas	Installations without controller/PLC and 230 VAC power supply	Automative manufacturing lines	Precision positioning	<ul><li> Counting</li><li> Rotation speed control</li><li> CAM</li></ul>
Key specifications	<ul> <li>NO, NC</li> <li>AC 2-wire</li> <li>24 - 240 VAC</li> <li>IP67</li> </ul>	<ul> <li>NO, NC</li> <li>DC 3-wire, DC 2-wire</li> <li>12 - 24 VDC (10 - 30 VDL)</li> <li>IP 67</li> </ul>	<ul> <li>12 - 24 VDC (10 - 30 VDC)</li> <li>IP67 (sensing heads)</li> <li>IP50 (separate amplifier)</li> </ul>	<ul> <li>NO, NC</li> <li>DC 3-wire</li> <li>10 - 35 VDC</li> <li>IP67</li> </ul>
Max sensing distance	M8: 2 mm M12: 5 mm M18: 10 mm M30: 18 mm	M8: 4 mm M12: 8 mm M18: 14 mm M30: 20 mm	dia 3 mm: 0.6 mm dia 5.4 mm: 1 mm dia 8mm: 2 mm M10: 2 mm M18: 7 mm	dia 6.5 mm: 2 mm M8: 2 mm
Connection	Cable: PVC Cable: M12 Connector: M12	Cable: PVC Cable: M12 Connector: M12	Cable: PVC mm-	Cable: PVC Cable connector: M8, M12, customer specific Connector: M8
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D-6 Inductive Sensors







Housing	Cylindrical		
Model	E2EC	E2FQ	ZX-E
Туре	Ultra flat/ sub miniature	Chemical resistance	High precision distance measurement
Housing Material	Brass (sensing face: ABS)	Teflon	
Features	<ul> <li>Ultra flat/ small size for applications where space is crucial</li> <li>Dia 3 mm small housing size model</li> <li>Ultra short 18 mm long M12 size housing model</li> </ul>	Teflon housing for increased chemical resistance	• 1 µm measurement resolution
Application areas	<ul> <li>Robotic applications (in robot hands)</li> </ul>	<ul> <li>Application with aggressive chemicals (etching, cleaning, water treatment)</li> </ul>	Excentricity control
Key specifications	<ul> <li>NO, NC         (DC 2-wire only)</li> <li>DC 2-wire, DC 3-wire</li> <li>12 - 24 VDC         (10 - 30 VDC)</li> <li>IP67</li> </ul>	<ul> <li>NO</li> <li>DC 2-wire</li> <li>12 - 24 VDC (10 - 30 VDC)</li> <li>IP67</li> </ul>	<ul> <li>Linear 4 - 20 mA output</li> <li>12 - 24 VDC (10 - 30 VDC)</li> <li>IP67</li> </ul>
Max sensing distance	dia 3 mm: 0.8 mm dia 5.4 mm: 1.5 mm dia 8 mm: 3 mm M12: 4 mm	M12: 2 mm M18: 5 mm M30: 10 mm	dia 3 mm: 0.5 mm dia 5.4 mm: 1 mm dia 8 mm: 2 mm M10: 2 mm M18: 7 mm
Connection	Cable: PVC	Cable: PVC	Cable: PVC
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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. D13E-EN-01

In the interest of product improvement, specifications are subject to change without notice.

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