

DOS-1204-W

Field-attachable connectors

PLUG CONNECTORS AND CABLES





Ordering information

Туре	Part no.
DOS-1204-W	6007303

Please consider the operational voltage of the connector. For sensors with an integrated cable and flying leads the operational voltage of the connector can be lower than the operational voltage of the sensor.

Other models and accessories

www.sick.com/Field-attachable_connectors



Detailed technical data

Technical specifications

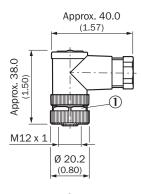
Accessory family Connection type head A Female connector, M12, 4-pin, angled Connector material PBT Connector color Black Locking nut material CuZn Tightening torque Shielding Permitted cross-section Reference voltage \$\leq 250 \text{ V}\$ Current loading Authorizations UL UL File No. Ea335179 Enclosure rating Pemale connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	recrimical specifications	
Connection type head A Female connector, M12, 4-pin, angled Connector material PBT Connector color Black Locking nut material CuZn Tightening torque O.6 Nm Shielding Permitted cross-section Reference voltage ≤ 250 V Current loading 4 A Authorizations UL UL File No. E335179 Enclosure rating Percitations Locking nut material Female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Accessory group	Plug connectors and cables
Connection type Screw-type terminals Connector material PBT Connector color Black Locking nut material CuZn Tightening torque 0.6 Nm Shielding Unshielded Permitted cross-section ≤ 0.75 mm² Reference voltage ≤ 250 V Current loading 4 A Authorizations UL UL File No. E335179 Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: - Ambient operating temperature	Accessory family	Field-attachable connectors
Connector material Connector color Black Locking nut material CuZn Tightening torque O.6 Nm Shielding Unshielded Fermitted cross-section Reference voltage ≤ 250 V Current loading Authorizations UL UL File No. E335179 Enclosure rating Description Ambient operating temperature PBT Black CuZn CuZn CuZn CuSn CuS	Connection type head A	Female connector, M12, 4-pin, angled
Connector color Locking nut material CuZn Tightening torque O.6 Nm Shielding Unshielded Fermitted cross-section Reference voltage ≤ 250 V Current loading Authorizations UL File No. E335179 Enclosure rating Description Black CuZn Unshielded Unshielded ≤ 0.75 mm² ≤ 250 V Current loading A A Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Connection type	Screw-type terminals
Locking nut material CuZn Tightening torque 0.6 Nm Shielding Unshielded Permitted cross-section Reference voltage ≤ 250 V Current loading Authorizations UL File No. E335179 Enclosure rating Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Connector material	PBT
Tightening torque Shielding Unshielded Permitted cross-section Reference voltage ≤ 250 V Current loading Authorizations UL File No. E335179 Enclosure rating Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Connector color	Black
Shielding Permitted cross-section Reference voltage ≤ 250 V Current loading Authorizations UL UL File No. E335179 Enclosure rating Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Locking nut material	CuZn
Permitted cross-section Reference voltage ≤ 250 V Current loading 4 A Authorizations UL UL File No. E335179 Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Tightening torque	0.6 Nm
Reference voltage ≤ 250 V Current loading	Shielding	Unshielded
 ≤ 250 V Current loading 4 A Authorizations UL UL File No. E335179 Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: - Ambient operating temperature 	Permitted cross-section	≤ 0.75 mm²
Current loading 4 A Authorizations UL UL File No. E335179 Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Reference voltage	
Authorizations UL UL File No. E335179 Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -		≤ 250 V
UL File No. E335179 Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: -	Current loading	4 A
Enclosure rating IP67 Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: - Ambient operating temperature	Authorizations	UL
Description Head A: female connector, M12, 4-pin, angled, unshielded, for power supply, for cable diameter 3 mm 6.5 mm Head B: - Ambient operating temperature	UL File No.	E335179
ter 3 mm 6.5 mm Head B: - Ambient operating temperature	Enclosure rating	IP67
	Description	
Head -40 °C +85 °C	Ambient operating temperature	
	Head	-40 °C +85 °C

Classifications

ECLASS 5.0	27279290
ECLASS 5.1.4	27279290
ECLASS 6.0	27279221
ECLASS 6.2	27279221
ECLASS 7.0	27440104
ECLASS 8.0	27440104
ECLASS 8.1	27440104
ECLASS 9.0	27440102

ECLASS 10.0	27440102
ECLASS 11.0	27440102
ECLASS 12.0	27440116
ETIM 5.0	EC002635
ETIM 6.0	EC002635
ETIM 7.0	EC002635
ETIM 8.0	EC002635
UNSPSC 16.0901	39121421

Dimensional drawing (Dimensions in mm (inch))





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SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

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For us, that is "Sensor Intelligence."

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