

DOS-2312-G





Ordering information

Туре	Part no.
DOS-2312-G	6027538

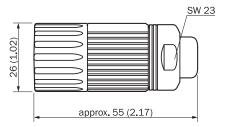
Other models and accessories → www.sick.com/

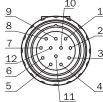
Detailed technical data

Technical specifications

Accessory group Accessory family Field-attachable connectors Connection type head A Female connection Connection type Solder connection Quick screw connection Connector material Connector color Locking nut material Shielding Shielded Permitted cable diameter Reference voltage Current loading The Accessory and type HIPERFACE®, SSI, Incremental Enclosure rating Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm 10.		
Connection type head A Connection type Solder connection Quick screw connection Connector material Connector color Locking nut material Shielding Permitted cable diameter S.5 mm 10.5 mm Reference voltage Current loading T A Signal type HIPERFACE®, SSI, Incremental Enclosure rating Description Female connector, M23, 12-pin, straight Female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Accessory group	Plug connectors and cables
Connection type Solder connection Locking plug connector Quick screw connection Connector material Zinc die-cast, nickel-plated Connector color Nickel-plated Locking nut material Zinc die-cast, nickel-plated Shielding Shielded Permitted cable diameter 5.5 mm 10.5 mm Reference voltage ≤ 160 V Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C	Accessory family	Field-attachable connectors
Locking plug connector Connector material Zinc die-cast, nickel-plated Connector color Nickel-plated Zinc die-cast, nickel-plated Locking nut material Zinc die-cast, nickel-plated Shielding Shielded Permitted cable diameter 5.5 mm 10.5 mm Reference voltage Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: −20 °C +130 °C Ambient operating temperature	Connection type head A	Female connector, M23, 12-pin, straight
Connector material Zinc die-cast, nickel-plated Connector color Nickel-plated Locking nut material Zinc die-cast, nickel-plated Shielding Shielded Permitted cable diameter 5.5 mm 10.5 mm Reference voltage ≤ 160 V Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Connection type	Solder connection
Connector color Nickel-plated Locking nut material Zinc die-cast, nickel-plated Shielding Shielded Permitted cable diameter 5.5 mm 10.5 mm Reference voltage ≤ 160 V Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Locking plug connector	Quick screw connection
Locking nut material Shielding Shielded Shielded 5.5 mm 10.5 mm Reference voltage Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: −20 °C +130 °C	Connector material	Zinc die-cast, nickel-plated
Shielding Permitted cable diameter 5.5 mm 10.5 mm Reference voltage ≤ 160 V Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Connector color	Nickel-plated
Permitted cable diameter 5.5 mm 10.5 mm Reference voltage ≤ 160 V Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Locking nut material	Zinc die-cast, nickel-plated
Reference voltage ≤ 160 V Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: −20 °C +130 °C Ambient operating temperature	Shielding	Shielded
Current loading 7 A Signal type HIPERFACE®, SSI, Incremental Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Permitted cable diameter	5.5 mm 10.5 mm
Signal type HIPERFACE®, SSI, Incremental IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Reference voltage	≤ 160 V
Enclosure rating IP66/ IP67 Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Current loading	7 A
Description Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm 10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Signal type	HIPERFACE®, SSI, Incremental
10.5 mm Head B: Operating temperature: -20 °C +130 °C Ambient operating temperature	Enclosure rating	IP66/ IP67
	Description	
Head -20 °C +130 °C	Ambient operating temperature	
	Head	-20 °C +130 °C

Dimensional drawing (Dimensions in mm (inch))





- ① Blue② White
- 3 Yellow4 Gray
- ⑤ Green
- 6 Pink7 Black
- ® Red
- 9 Orange10 Brown

- ① Purple② Orange/black

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