

# DOL-1208-G20MAC1

Plug connectors and cables

**ACCESSORIES** 





## Ordering information

Туре	Part no.
DOL-1208-G20MAC1	6032869

Other models and accessories -> www.sick.com/Plug\_connectors\_and\_cables

#### Detailed technical data

#### Technical specifications

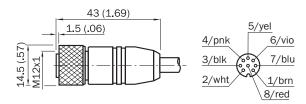
Accessory group         Plug connectors and cables           Accessory family         Connecting cables with female connector           Connection type head A         Female connector, M12, 8-pin, straight           Connection type         Elbile           Connector material         TPU           Connector color         Black           Locking nut material         CuZn, nickel-plated brass           Cable         20 m, 8-wire           Jacket material         PUR, halogen-free           Jacket color         Black           Cable diameter         Ø 7 mm           Conductor cross-section         0.25 mm², 4 x 2 x 0.25 mm²           Shielding         Shielded           Bending radius         > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)           Bending cycles         > 2,000,000           Tightening torque         ≤ 36 V AC/DC           Current loading         2 A           Special feature         Drag chain use           Ambient operating temperature         C5° C +80° C, female connector -50° C +80° C, female conn		
Connection type head A Connection type head B Cable Connection type Flying leads Connector material TPU Connector color Black CuZn, nickel-plated brass Cable 20 m, 8-wire Jacket material PUR, halogen-free Jacket color Black Cable diameter 0 7 mm Conductor cross-section 0.25 mm², 4 x 2 x 0.25 mm² Shielding Bending radius > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position) Bending torque Reference voltage Current loading Special feature Ambient operating temperature  Flying leads Cable Cable Cable Current loading temperature Conductor cross-section Provided Cable Cable diameter Cable Cable Cable Cable Cable Cable Current loading Cable Cabl	Accessory group	Plug connectors and cables
Connection type head B Connection type Flying leads Connector material TPU Connector color Black Locking nut material Cuzn, nickel-plated brass Cable 20 m, 8-wire Jacket material PUR, halogen-free Jacket color Black Cable diameter Ø 7 mm Conductor cross-section 0.25 mm², 4 x 2 x 0.25 mm² Shielding Bending radius Punched diameter flexible use, > 5 x cable diameter (stationary position) Bending cycles 10 x cable diameter flexible use, > 5 x cable diameter (stationary position) Bending torque Reference voltage Current loading Drag chain use Ambient operating temperature -25 °C +80 °C, female connector -50 °C +80 °C, flexible use	Accessory family	Connecting cables with female connector
Connection type Connector material TPU Connector color Black Locking nut material CuZn, nickel-plated brass Cable 20 m, 8-wire  Jacket material PUR, halogen-free Black Cable diameter Ø 7 mm Conductor cross-section 0.25 mm², 4 x 2 x 0.25 mm² Shielding Shielded Bending radius > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position) Bending cycles 1 ghtening torque 0.5 Nm Reference voltage 2 A Special feature Ambient operating temperature -25 °C +80 °C, female connector -50 °C +80 °C, flexible use	Connection type head A	Female connector, M12, 8-pin, straight
Connector material Connector color Black Contector color Coloking nut material CuZn, nickel-plated brass Cable 20 m, 8-wire Jacket material PUR, halogen-free Black Cable diameter Ø 7 mm Conductor cross-section 0.25 mm², 4 x 2 x 0.25 mm² Shielding Shielded Bending radius Shielded Sending radius Solon	Connection type head B	Cable
Connector colorBlackLocking nut materialCuZn, nickel-plated brassCable20 m, 8-wireJacket materialPUR, halogen-freeJacket colorBlackCable diameterØ 7 mmConductor cross-section0.25 mm², 4 x 2 x 0.25 mm²ShieldingShieldedBending radius> 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)Bending cycles> 2,000,000Tightening torque0.5 NmReference voltage≤ 36 V AC/DCCurrent loading2 ASpecial featureDrag chain useAmbient operating temperature-25 °C +80 °C, female connector -50 °C +80 °C, flexible use	Connection type	Flying leads
Locking nut materialCuZn, nickel-plated brassCable20 m, 8-wireJacket materialPUR, halogen-freeJacket colorBlackCable diameterØ 7 mmConductor cross-section0.25 mm², 4 x 2 x 0.25 mm²ShieldingShieldedBending radius> 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)Bending cycles> 2,000,000Tightening torque0.5 NmReference voltage≤ 36 V AC/DCCurrent loading2 ASpecial featureDrag chain useAmbient operating temperature-25 °C +80 °C, female connector -50 °C +80 °C, flexible use	Connector material	TPU
Cable20 m, 8-wireJacket materialPUR, halogen-freeJacket colorBlackCable diameterØ 7 mmConductor cross-section0.25 mm², 4 x 2 x 0.25 mm²ShieldingShieldedBending radius> 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)Bending cycles> 2,000,000Tightening torque0.5 NmReference voltage< 36 V AC/DC	Connector color	Black
Jacket material       PUR, halogen-free         Jacket color       Black         Cable diameter       Ø 7 mm         Conductor cross-section       0.25 mm², 4 x 2 x 0.25 mm²         Shielding       Shielded         Bending radius       > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)         Bending cycles       > 2,000,000         Tightening torque       0.5 Nm         Reference voltage       ≤ 36 V AC/DC         Current loading       2 A         Special feature       Drag chain use         Ambient operating temperature       -25 °C +80 °C, female connector -50 °C +80 °C, fexible use	Locking nut material	CuZn, nickel-plated brass
Jacket color       Black         Cable diameter       Ø 7 mm         Conductor cross-section       0.25 mm², 4 x 2 x 0.25 mm²         Shielding       Shielded         Bending radius       > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)         Bending cycles       > 2,000,000         Tightening torque       0.5 Nm         Reference voltage       ≤ 36 V AC/DC         Current loading       2 A         Special feature       Drag chain use         Ambient operating temperature       -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Cable	20 m, 8-wire
Cable diameterØ 7 mmConductor cross-section0.25 mm², 4 x 2 x 0.25 mm²ShieldingShieldedBending radius> 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)Bending cycles> 2,000,000Tightening torque0.5 NmReference voltage≤ 36 V AC/DCCurrent loading2 ASpecial featureDrag chain useAmbient operating temperature-25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Jacket material	PUR, halogen-free
Conductor cross-section  0.25 mm², 4 x 2 x 0.25 mm²  Shielding  Shielded  > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)  Bending cycles  > 2,000,000  Tightening torque  0.5 Nm  Reference voltage  ≤ 36 V AC/DC  Current loading  2 A  Special feature  Drag chain use  -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Jacket color	Black
Shielding       Shielded         Bending radius       > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)         Bending cycles       > 2,000,000         Tightening torque       0.5 Nm         Reference voltage       ≤ 36 V AC/DC         Current loading       2 A         Special feature       Drag chain use         Ambient operating temperature       -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Cable diameter	Ø 7 mm
Bending radius  > 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)  > 2,000,000  Tightening torque  0.5 Nm  Reference voltage  ≤ 36 V AC/DC  Current loading  2 A  Special feature  Drag chain use  -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Conductor cross-section	0.25 mm², 4 x 2 x 0.25 mm²
Bending cycles > 2,000,000  Tightening torque 0.5 Nm  Reference voltage ≤ 36 V AC/DC  Current loading 2 A  Special feature Drag chain use  Ambient operating temperature -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Shielding	Shielded
Tightening torque  0.5 Nm  Reference voltage  ≤ 36 V AC/DC  Current loading  2 A  Special feature  Drag chain use  -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Bending radius	> 10 x cable diameter flexible use, > 5 x cable diameter (stationary position)
Reference voltage  ≤ 36 V AC/DC  Current loading  2 A  Special feature  Drag chain use  -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Bending cycles	> 2,000,000
Current loading  2 A  Special feature  Drag chain use  -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Tightening torque	0.5 Nm
Special feature  Drag chain use  -25 °C +80 °C, female connector -50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Reference voltage	≤ 36 V AC/DC
Ambient operating temperature  -25 °C +80 °C, female connector  -50 °C +80 °C, stationary position  -25 °C +80 °C, flexible use	Current loading	2 A
-50 °C +80 °C, stationary position -25 °C +80 °C, flexible use	Special feature	Drag chain use
Enclosure rating IP 67	Ambient operating temperature	-50 °C +80 °C, stationary position
	Enclosure rating	IP 67

#### Classifications

ECI@ss 5.0	19030312
ECI@ss 5.1.4	19030312
ECI@ss 6.0	27060304
ECI@ss 6.2	27060304
ECI@ss 7.0	27060304
ECI@ss 8.0	27060304
ECI@ss 8.1	27060304
ECI@ss 9.0	27060304

ETIM 5.0	EC000830
ETIM 6.0	EC000830
UNSPSC 16.0901	26121604

## Dimensional drawing (Dimensions in mm (inch))



All dimensions in mm (inch)

# SICK AT A GLANCE

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.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

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