



DOL-127SG2M5E25KM0

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
DOL-127SG2M5E25KM0	2076540

Other models and accessories → www.sick.com/

Detailed technical data

Technical specifications

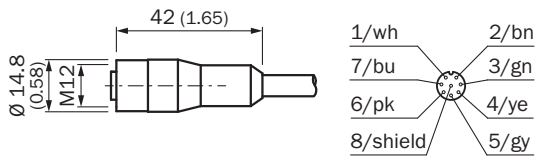
Accessory group	Plug connectors and cables				
Accessory family	Connecting cables				
Connection type head A	Female connector, M12, 8-pin, straight				
Connection type head B	Flying leads				
Connection type	Flying leads				
Connector material	TPU				
Connector color	Black				
Locking nut material	CuZn, nickel-plated brass				
Cable	2.5 m, 7-wire, PUR, halogen-free				
Jacket material	PUR, halogen-free				
Jacket color	Black				
Cable diameter	6 mm				
Conductor cross-section	0.25 mm ²				
Shielding	Shielded				
Bending radius	<table border="0"> <tr> <td style="padding-right: 20px;">Flexible use</td> <td>> 10 x cable diameter</td> </tr> <tr> <td>Stationary position</td> <td>> 5 x cable diameter</td> </tr> </table>	Flexible use	> 10 x cable diameter	Stationary position	> 5 x cable diameter
Flexible use	> 10 x cable diameter				
Stationary position	> 5 x cable diameter				
Bending cycles	> 2,000,000				
Reference voltage	≤ 30 V				
Current loading	2 A				
Traversing speed	3.3 m/s				
Acceleration	≤ 5 m/s ²				
Signal type	Sensor/actuator cable				
Authorizations	UL recognized in accordance with AWM Style 20549 (80 °C / 300 V), jacket UL recognized in accordance with AWM Style 10493 (80 °C / 300 V), conductor				
UL File No.	CYJV.E335179				
Enclosure rating	IP65/ IP67 (EN 60529)				
Ambient operating temperature	<table border="0"> <tr> <td style="padding-right: 20px;">Flexible use</td> <td>-25 °C ... +80 °C</td> </tr> <tr> <td>Stationary position</td> <td>-50 °C ... +80 °C</td> </tr> </table>	Flexible use	-25 °C ... +80 °C	Stationary position	-50 °C ... +80 °C
Flexible use	-25 °C ... +80 °C				
Stationary position	-50 °C ... +80 °C				

Drag chain operation	-25 °C ... +60 °C
Head	-25 °C ... +80 °C

Classifications

ECl@ss 5.0	19030312
ECl@ss 5.1.4	19030312
ECl@ss 6.0	27060304
ECl@ss 6.2	27060304
ECl@ss 7.0	27060304
ECl@ss 8.0	27060304
ECl@ss 8.1	27060304
ECl@ss 9.0	27060304
ECl@ss 10.0	27060304
ECl@ss 11.0	27060304
ECl@ss 12.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (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.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com