



DFV60A-22PM65536

DFV60

MEASURING WHEEL ENCODERS

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	Part no.
DFV60A-22PM65536	1051337

Other models and accessories → www.sick.com/DFV60

Detailed technical data

Features

Items supplied	DFV60 spring arm (part number: 2056155) not included with delivery
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Performance

Pulses per revolution	65,536
Resolution in pulses/mm	218.45 Pulses/mm ¹⁾
Measuring increment (resolution in mm/pulse)	0.005 mm/pulse ²⁾
Measuring step deviation	± 0.002° ³⁾
Error limits	± 4 mm/m, subject to measuring wheel (measuring wheel surface + measuring surface + ambient conditions)
Initialization time	30 ms

¹⁾ Calculation example: Pulses per revolution / measuring wheel circumference = 16,384 pulses per revolution / 200 mm = 81.92 pulses/mm.

²⁾ Calculation example: Circumference of wheel / pulses per revolution = 200 mm / 16384 pulses per revolution = 0,012mm/pulse.

³⁾ Value refers to the mounted encoder.

Interfaces

Communication interface	Incremental
Communication Interface detail	TTL / HTL
Programmable/configurable	✓

Electrical data

Connection type	Cable, 8-wire, universal, 5 m
Power consumption max. without load	≤ 30 mA
Supply voltage	4.5 V ... 32 V
Load current max.	30 mA
Maximum output frequency	820 kHz

¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive. Calculation based on nominal load of components, average ambient temperature 40°C, frequency of use 8760 h/a. All electronic failures are considered hazardous. For more information, see document no. 8015532.

Reference signal, number	1
Reference signal, position	90 °, electric, logically gated with A and B
Reverse polarity protection	✓
Short-circuit protection of the outputs	✓
MTTFd: mean time to dangerous failure	300 years (EN ISO 13849-1) ¹⁾

¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive. Calculation based on nominal load of components, average ambient temperature 40 °C, frequency of use 8760 h/a. All electronic failures are considered hazardous. For more information, see document no. 8015532.

Mechanical data

Measuring wheel circumference	300 mm
Measuring wheel surface	O-ring NBR70 ¹⁾
Mass	+ 500 g
Encoder material	
Shaft	Stainless steel
Flange	Aluminum
Housing	Aluminum
Cable	PUR
Spring arm mechanism material	
Spring element	Not contained in the scope of delivery of the system
Measuring wheel, spring arm	Aluminum
Start up torque	0.8 Ncm (at 20 °C)
Operating torque	0.6 Ncm (at 20 °C)
Operating speed	1,500 min ⁻¹
Maximum operating speed	3,000 min ⁻¹ ²⁾
Bearing lifetime	3 x 10 ⁹ revolutions
Maximum travel/deflection of spring arm	40 mm
Max. permissible working area for the spring (continuous operation)	± 10 mm
Recommended spring deflection	20 mm ... 40 mm
Mounting position relative to the measuring object	Preferably from above, from below possible

¹⁾ The surface of a measuring wheel is subject to wear. This depends on contact pressure, acceleration behavior in the application, traversing speed, measurement surface, mechanical alignment of the measuring wheel, temperature, and ambient conditions. We recommend you regularly check the condition of the measuring wheel and replace as required.

²⁾ Allow for self-heating of 3.3 K per 1,000 rpm when designing the operating temperature range.

Ambient data

EMC	According to EN 61000-6-2 and EN 61000-6-4
Enclosure rating	IP65
Permissible relative humidity	90 % (Condensation not permitted)
Operating temperature range	-20 °C ... +100 °C
Storage temperature range	-40 °C ... +100 °C, without package

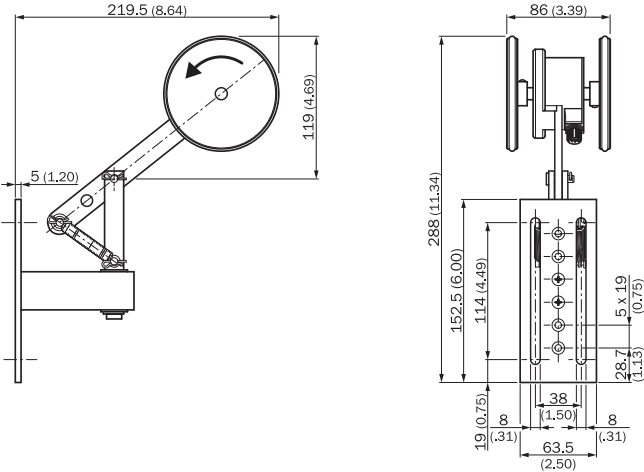
Classifications

ECLASS 5.0	27270501
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ECLASS 5.1.4	27270501
ECLASS 6.0	27270590
ECLASS 6.2	27270590
ECLASS 7.0	27270501
ECLASS 8.0	27270501
ECLASS 8.1	27270501
ECLASS 9.0	27270501
ECLASS 10.0	27270790
ECLASS 11.0	27270707
ECLASS 12.0	27270504
ETIM 5.0	EC001486
ETIM 6.0	EC001486
ETIM 7.0	EC001486
ETIM 8.0	EC001486
UNSPSC 16.0901	41112113

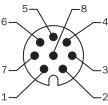
Dimensional drawing (Dimensions in mm (inch))

DFV60 spring arm (part number: 2056155) not included with delivery



PIN assignment

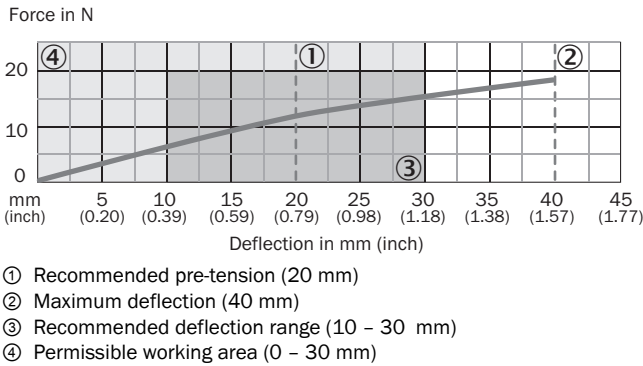
Cable 8-core
View to the connector M12 fitted to the encoder body

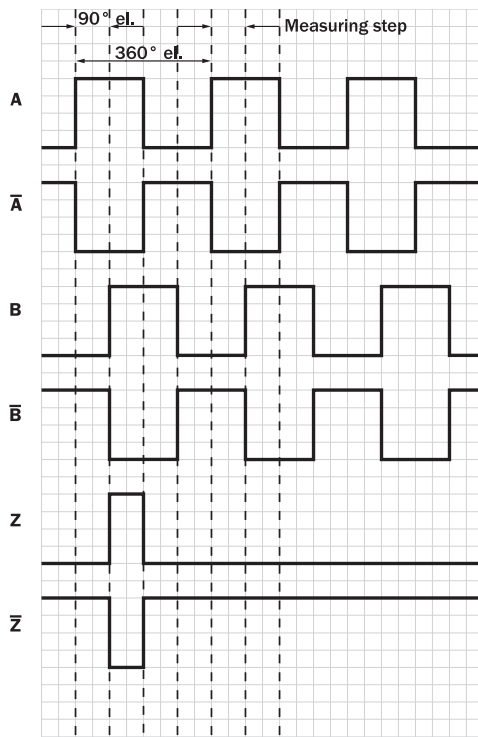


PIN, 8-pin, connector M12	Color of wires for encoders with cable outlet	Signal TTL, HTL	Explanation
1	Brown	$\sim$ A	Signal line
2	White	A	Signal line
3	Black	$\sim$ B	Signal line
4	Pink	B	Signal line
5	Yellow	$\sim$ Z	Signal line
6	Lilac	Z	Signal line
7	Blue	GND	Ground connection of the encoder
8	Red	+U _s	Supply voltage (potential free to housing)
Screen	Screen	Screen	Screen connected to encoder housing. On the control side connected to earth.

Diagrams

Dual wheel, spring tension, yoke mount





Recommended accessories

Other models and accessories → www.sick.com/DFV60

	Brief description	Type	Part no.
Programming and configuration tools			
	USB programming unit, for programmable SICK encoders AFS60, AFM60, DFS60, VFS60, DFV60 and wire draw encoders with programmable encoders	PGT-08-S	1036616
	Programming unit display for programmable SICK DFS60, DFV60, AFS/AFM60, AHS/AHM36 encoders, and wire draw encoder with DFS60, AFS/AFM60 and AHS/AHM36. Compact dimensions, low weight, and intuitive operation.	PGT-10-Pro	1072254
Mounting brackets and plates			
	Spring arm / mounting arm for DFV60	DFV60 spring arm	2056155
Other mounting accessories			
	Aluminium measuring wheel with O-ring (NBR70) for 10 mm solid shaft, circumference 300 mm	BEF-MR010030R	2049278
	O-ring for measuring wheels (circumference 300 mm), 2x O-ring	BEF-OR-083-050	2064076

	Brief description	Type	Part no.
Plug connectors and cables			
	Connection type head A: Female connector, M23, 9-pin, straight Signal type: HIPERFACE®, SSI, Incremental Description: HIPERFACE®, SSI, Incremental, shielded, Head A: female connector, M23, 9-pin, straight, shielded, for cable diameter 5.5 mm ... 10.5 mm Head B: Operating temperature: -20 °C ... +130 °C Connection systems: Solder connection	DOS-2309-G	6028533
	Connection type head A: Female connector, M23, 12-pin, straight Signal type: HIPERFACE®, SSI, Incremental Description: HIPERFACE®, SSI, Incremental, shielded, 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 Connection systems: Solder connection	DOS-2312-G	6027538
	Connection type head A: Female connector, M23, 12-pin, straight Signal type: HIPERFACE®, SSI, Incremental Description: HIPERFACE®, SSI, Incremental, shielded, Head A: female connector, M23, 12-pin, straight, shielded, for cable diameter 5.5 mm ... 10.5 mm Head B: - Operating temperature: -40 °C ... +125 °C Connection systems: Solder connection	DOS-2312-G02	2077057
	Connection type head A: Female connector, M23, 12-pin, angled Signal type: HIPERFACE®, SSI, Incremental Description: HIPERFACE®, SSI, Incremental, shielded, Head A: female connector, M23, 12-pin, angled, shielded, for cable diameter 4.2 mm ... 6.6 mm Head B: - Operating temperature: -20 °C ... +130 °C Connection systems: Solder connection	DOS-2312-W01	2072580
	Connection type head A: Male connector, M23, 12-pin, straight Signal type: HIPERFACE®, SSI, Incremental, RS-422 Description: HIPERFACE®, SSI, Incremental, RS-422, shielded, M23 male connector Connection systems: Solder connection	STE-2312-G	6027537
	Connection type head A: Male connector, M23, 12-pin, straight Signal type: HIPERFACE®, SSI, Incremental Description: HIPERFACE®, SSI, Incremental, shielded, Head A: male connector, M23, 12-pin, straight, for cable diameter 5.5 mm ... 10.5 mm Head B: - Operating temperature: -40 °C ... +125 °C Connection systems: Solder connection	STE-2312-G01	2077273
	Connection type head A: Male connector, M23, 12-pin, straight Signal type: HIPERFACE®, SSI, Incremental Description: HIPERFACE®, SSI, Incremental, shielded, M23 female connector with central fixing (for cabinet bushing) Connection systems: Solder connection	STE-2312-GX	6028548
Others			
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 0.5 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, JST, 8-pin, straight Head B: cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.15 mm², Ø 5.6 mm Items supplied: JST including sealing	DOL-0J08-G0M5AA3	2046873
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 1.5 m, 8-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, JST, 8-pin, straight Head B: cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.15 mm², Ø 5.6 mm Items supplied: JST including sealing	DOL-0J08-G1M5AA3	2046874

	Brief description	Type	Part no.
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Flying leads Signal type: SSI, Incremental Cable: 1.5 m, 8-wire, PUR, halogen-free Description: SSI, Incremental, shielded Items supplied: JST including sealing	DOL-0J08-G1M5AA6	2048590
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 10 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, JST, 8-pin, straight Head B: cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.15 mm², Ø 5.6 mm Items supplied: JST including sealing	DOL-0J08-G10MAA3	2046877
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Flying leads Signal type: SSI, Incremental Cable: 3 m, 8-wire, PUR, halogen-free Description: SSI, Incremental, shielded Items supplied: JST including sealing	DOL-0J08-G3M0AA6	2048591
	Connection type head A: Female connector, M12, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 2 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, M12, 8-pin, straight Head B: cable Cable: suitable for drag chain, PVC, shielded, 4 x 2 x 0.25 mm², Ø 7.0 mm Connection systems: Flying leads	DOL-1208-G02MAC1	6032866
	Connection type head A: Female connector, M12, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 5 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, M12, 8-pin, straight Head B: cable Cable: suitable for drag chain, PVC, shielded, 4 x 2 x 0.25 mm², Ø 7.0 mm Connection systems: Flying leads	DOL-1208-G05MAC1	6032867
	Connection type head A: Female connector, M12, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 10 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, M12, 8-pin, straight Head B: cable Cable: suitable for drag chain, PVC, shielded, 4 x 2 x 0.25 mm², Ø 7.0 mm Connection systems: Flying leads	DOL-1208-G10MAC1	6032868
	Connection type head A: Female connector, M12, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 20 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, M12, 8-pin, straight Head B: cable Cable: suitable for drag chain, PVC, shielded, 4 x 2 x 0.25 mm², Ø 7.0 mm Connection systems: Flying leads	DOL-1208-G20MAC1	6032869
	Connection type head A: Female connector, M12, 8-pin, straight Connection type head B: Flying leads Signal type: Incremental, SSI Cable: 25 m, 8-wire, PUR, halogen-free Description: Incremental, SSI, shielded, Head A: female connector, M12, 8-pin, straight Head B: cable Cable: suitable for drag chain, PVC, shielded, 4 x 2 x 0.25 mm², Ø 7.0 mm Connection systems: Flying leads	DOL-1208-G25MAC1	6067859

	Brief description	Type	Part no.
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 2 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G02MLA3	2030682
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 3 m, 12-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: Cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G03MMA3	2029213
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 5 m, 12-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: Cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G05MMA3	2029214
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 7 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G07MLA3	2030685
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 1.5 m, 12-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: Cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G1M5MA3	2029212
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 10 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G10MLA3	2030688
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 10 m, 12-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: Cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G10MMA3	2029215
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 15 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G15MLA3	2030692

	Brief description	Type	Part no.
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 20 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G20MLA3	2030695
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 20 m, 12-wire, PUR, halogen-free Description: Incremental, shielded, Head A: Female connector, M23, 12-pin, straight Head B: Cable Cable: Incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G20MMA3	2029216
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 25 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G25MLA3	2030699
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 30 m, 11-wire, PUR Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: cable Cable: incremental, PUR, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G30MLA3	2030702
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Flying leads Signal type: Incremental Cable: 30 m, 12-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, M23, 12-pin, straight Head B: Cable Cable: incremental, suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 1 x 0.14 mm², Ø 7.8 mm	DOL-2312-G30MMA3	2029217
	Connection type head A: Flying leads Connection type head B: Flying leads Signal type: SSI, Incremental, HIPERFACE® Cable: 8-wire, PUR, halogen-free Description: SSI, Incremental, HIPERFACE®, shielded Items supplied: By the meter	LTG-2308-MWENC	6027529
	Connection type head A: Flying leads Connection type head B: Flying leads Signal type: SSI, Incremental Cable: 11-wire, PUR Description: SSI, Incremental, shielded Items supplied: By the meter	LTG-2411-MW	6027530
	Connection type head A: Flying leads Connection type head B: Flying leads Signal type: SSI, Incremental Cable: 12-wire, PUR, halogen-free Description: SSI, Incremental, shielded Items supplied: By the meter	LTG-2512-MW	6027531
	Connection type head A: Flying leads Connection type head B: Flying leads Signal type: SSI, TTL, HTL, Incremental Cable: 12-wire, UV and saltwater-resistant, PUR, halogen-free Description: SSI, TTL, HTL, Incremental, shielded, Head A: cable Head B: cable Cable: suitable for drag chain, PUR, halogen-free, shielded, UV and saltwater resistant, 4 x 2 x 0.25 mm² + 2 x 0.5 mm² + 2 x 0.14 mm², Ø 7.8 mm Items supplied: By the meter	LTG-2612-MW	6028516

	Brief description	Type	Part no.
	Connection type head A: Female connector, terminal box, 8-pin, straight Connection type head B: Male connector, D-Sub, 9-pin, straight Signal type: SSI + incremental Cable: 0.5 m, 4-wire, PVC Description: SSI + incremental, shielded, Programming cable for PGT-08-S and PGT-10-S programming tool Note: Programming adapter cable for programming tool PGT-10-Pro and PGT-08-S	DSL-0D08-G0M5AC3	2061739
	Connection type head A: Female connector, M12, 8-pin, straight Connection type head B: Male connector, D-Sub, 9-pin, straight Signal type: Incremental Cable: 0.5 m, 8-wire Description: Incremental, shielded, Programming cable for PGT-08-S and PGT-10-S programming tool Note: Programming adapter cable for programming tool PGT-10-Pro and PGT-08-S	DSL-2D08-G0M5AC3	2046579
	Connection type head A: Female connector, M23, 12-pin, straight Connection type head B: Male connector, D-Sub, 9-pin, straight Signal type: Incremental Cable: 0.5 m, 8-wire Description: Incremental, shielded, Programming cable for PGT-08-S and PGT-10-S programming tool Note: Programming adapter cable for programming tool PGT-10-Pro and PGT-08-S	DSL-3D08-G0M5AC3	2046580
	Connection type head A: Female connector, M12, 8-pin, straight, A-coded Signal type: Incremental, SSI Cable: CAT5, CAT5e Description: Incremental, SSI, shielded, Head A: female connector, M12, 8-pin, straight, A encoded, shielded, for cable diameter 4 mm ... 8 mm Head B: - Operating temperature: -40 °C ... +85 °C Connection systems: IDC quick connection Permitted cross-section: 0.14 mm² ... 0.34 mm²	DOS-1208-GA01	6045001
	Connection type head A: Male connector, M12, 8-pin, straight, A-coded Signal type: Incremental Cable: CAT5, CAT5e Description: Incremental, shielded, Head A: male connector, M12, 8-pin, straight, A coded, shielded, for cable diameter 4 mm ... 8 mm Head B: - Operating temperature: -40 °C ... +85 °C Connection systems: IDC quick connection Permitted cross-section: 0.14 mm² ... 0.34 mm²	STE-1208-GA01	6044892
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Male connector, M23, 12-pin, straight Signal type: Incremental Cable: 0.35 m, 8-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, JST, 8-pin, straight Head B: male connector, M23, 12-pin, straight Cable: suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.15 mm², Ø 5.6 mm	STL-2312-GM35AA3	2061621
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Male connector, M23, 12-pin, straight Signal type: Incremental Cable: 1 m, 8-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, JST, 8-pin, straight Head B: male connector, M23, 12-pin, straight Cable: suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.15 mm², Ø 5.6 mm	STL-2312-G01MAA3	2061622
	Connection type head A: Female connector, JST, 8-pin, straight Connection type head B: Male connector, M23, 12-pin, straight Signal type: Incremental Cable: 2 m, 8-wire, PUR, halogen-free Description: Incremental, shielded, Head A: female connector, JST, 8-pin, straight Head B: male connector, M23, 12-pin, straight Cable: suitable for drag chain, PUR, halogen-free, shielded, 4 x 2 x 0.15 mm², Ø 5.6 mm	STL-2312-G02MAA3	2061504

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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