

Dx100 Long Range Distance Sensors

Leading in versatility and flexibility



Accurate distance sensors for precise positioning tasks – DL100 and DL100 Hi



Laser-based distance sensors have their origins in the ingenuity of SICK engineers. Continuous development in response to customer requirements combined with the latest technology opens the door to new and increasingly innovative products.

But how can highly sophisticated distance sensors be improved even further? SICK set itself this challenge once again, and came up with the product family Dx100 – smaller, faster, more flexible and cost-effective to operate.





When positioning cranes and in automated storage and retrieval systems, accuracy, speed and minimal downtimes are the key to success. The product family Dx100 has been adapted to increasing drive speeds and now analyzes the signals in the control circuit even faster than before. The sensors feature preventive maintenance functions and send information to the control station if, for example, maintenance is required because of a contaminated working environment. Additional interfaces, bus capability and an innovative mounting concept improve the top performance of this product family even further.

Significantly smaller than comparable distance sensors

The housing dimensions of the Dx100 product family are 119.9 mm x 82.5 mm x 69.4 mm making them the smallest sensors in their performance class.

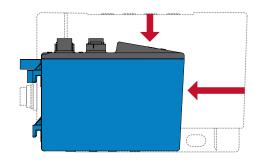
- New application possibilities.
- Low weight.
- Easy to mount.



Innovative mounting system

Because the housing of all Dx100 versions is identical, the mechanical interfaces and accessories are the same for all versions.

- Reduced logistic and storage costs.
- Fast mounting and simple replacement of equipment.
 Easy mounting:
 - 1 Mount the device in the precisely fitting plate.
 - 2 Tighten it using the black adjustment screw.
 - 3 Perform fine adjustment using 3 spring-loaded screws.



One housing, flexible content

The modular concept of the Dx100 platform means: one housing version with flexible content for different fields of application.

Because of this, performance can be tailored to, and selected on the basis of the application in question.

- Only the required interfaces.
- Only the required resolution.
- Only the required accuracy.
- → That means: only the costs for the required performance.



Increased performance and lower operating costs make the sensors of the Dx100 product family the optimal choice for your application.

Thermo Protection Cooling Case (TPCC) – keeps the sensor cool and inside the temperature operating range



The Thermo Protection Cooling Case (TPCC) from SICK cools and protects laser-based sensors. By extending the sensor service life, it also contributes to protecting your investment.

With a maintenance-free Peltier cooler (24 V/15 A), the TPCC offers efficient protection at ambient temperatures from -20 °C to +75 °C. The internal temperature is thermostat-controlled. If the temperature becomes too high, the TPCC shuts itself down automatically.

High temperature ranges, harsh environmental conditions

The use of the TPCC is particularly appropriate in locations with high ambient temperatures due to the process environment.

The TPCC is perfect for use:

- · in the steel industry
- · in the paper industry
- in glass manufacturing
- on overhead cranes under the ceiling of industrial buildings
- in countries and locations where high ambient temperatures can be expected

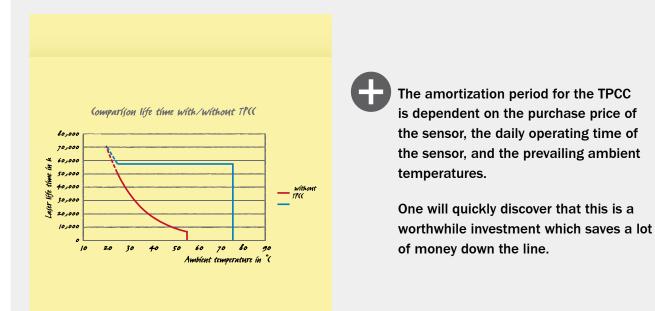
The rugged fibre glass housing with protective front screen offers additional protection against mechanical damage and remains dimensionally stable up to +140 °C. This temperature is beyond the maximum value specified for the TPCC.

Increased sensor availability, extended service life

Due to physics of laser diodes , the service life of the laser halves for each 10 °C increase in temperature (cf. diagram). By using the TPCC, the sensor is actively cooled by means of the Peltier effect. This extends the service life of the laser – and thus of your sensor: at 25 °C it will already be extended by 15 %, at 45 °C by 400 %. In addition:

The low internal temperature of the TPCC also offers economic advantages. The constant conditions within the TPCC ensure that the measured values are more accurate. Sensor availability increases, and unexpected failures and system downtime can be avoided.

Benefit: replacement costs are reduced and productivity increases.



DME to Dx100 upgrade kit: Straightforward sensor replacement to ensure the availability of your system



Upgrade kits from SICK often provide a cost-effective alternative to purchasing a brand new drive and control system. These solutions enable quick and easy integration of the latest technology, in order to increase the productivity of existing systems.

In the event of upcoming modernization of systems, preventative replacement of DME distance sensors after years of use: SICK DME-Dx100 upgrade kits are designed for carrying out the conversion of the tried and tested DME distance sensors to the current Dx100 with the least possible cost and effort.

We will also be happy to assist you with conversion at your site. Contact us!

Tailor-made, easy to use

The DME-Dx100 upgrade kit is characterized by a range of special features:

- Upgrade kit specifically tailored to the application
- All accessories required at the site are included ¹)
- The enclosed upgrade instructions describe the detailed steps involved
- The Dx100 is mechanically mounted on DME hole pattern using an adapter plate
- Electrical connections are established with preassembled adapter cables
 - $^{\rm 1)}$ The Dx100 distance sensor is not included in the upgrade kit and must be selected and ordered separately.

Early conversion, clear advantages

Decide to upgrade soon using the tailor-made DME-Dx100 upgrade kit – and you will enjoy all the economic benefits:

- Boost the productivity of your system by using the latest technology
- Maximum system availability combined with minimum downtime during conversion
- Avoid costly and unscheduled outage times by taking the precautionary step of converting your system to Dx100
- Convert your existing system cost-effectively in just a few steps



DME to Dx100 upgrade kit ordering information

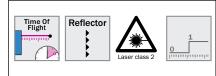
Previously available in the system	Data interface	Model name Dx100	Upgrade kit model name	Upgrade kit part no.
	SSI	Dx100-xxxxx01	DME3-Dx100 SSI/RS-422	2065223
DME3000	PROFIBUS	Dx100-xxxxx02	DME3-Dx100 PROFIBUS	2065222
	RS-422	Dx100-xxxxxx03	DME3-Dx100 SSI/RS-422	2065223
DME 4000 /	SSI	Dx100-xxxxx01	DME4/5-Dx100 SSI/RS-422	2065221
DME4000/ DME5000	PROFIBUS	Dx100-xxxxx02	DME4/5-Dx100 PROFIBUS	2065220
DIVILOUUU	RS-422	Dx100-xxxxx03	DME4/5-Dx100 SSI/RS-422	2065221

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Product family overview

	011	
	DL100	DL100 Hi
	Solve positioning tasks intelligently	Reliable, fast, precise positioning
Technical data overview		
Measuring range	0.15 m 60 m	0.15 m 100 m
	0.15 m 130 m	0.15 m 200 m
	0.15 m 220 m	0.15 m 300 m
Repeatability	1.5 mm (at dead time 10 ms), 0.75 mm (at dead	0.5 mm
, ,	time 30 ms)	1 mm
	2 mm (at dead time 10 ms), 1 mm (at dead time	2 mm
	30 ms)	2 11111
	2.5 mm (at dead time 10 ms), 1.25 mm (at dead	
	time 30 ms)	
Accuracy	± 3 mm	± 2 mm
· · · · · · · · · · · · · · · · · · ·	± 4 mm	± 2.5 mm
	± 5 mm	± 3 mm
Interfaces overview	SSI	SSI
interfaces overview	PROFIBUS	PROFIBUS
	RS-422	RS-422
	PROFINET	PROFINET
	CANopen	CANopen
Ambient temperature	Operation: -20 °C +55 °C	Operation: -20 °C +55 °C
	Operation with cooling case: -20 °C +75 °C	Operation with cooling case: -20 °C +75 °C
	Operation with heating: -40 °C +55 °C	Operation with heating: -40 °C +55 °C
	Operation with cooling case: -40 °C +75 °C	Operation with cooling case: -40 °C +75 °C
	Storage: -40 °C +75 °C	Storage: -40 °C +75 °C
Output rate	Synchronous to PLC request	Synchronous to PLC request
Light source	Laser, red	Laser, red
At a glance		
	Time of Flight Laser class 2	Time of Flight Reflector Image: specific transmission of the specific transmission of transmissio
	 Measuring range up to 220 m Numerous fieldbus interfaces Pre-failure notification and diagnostic data available Display with intuitive menu structure and clearly visible status LEDs Small, rugged metal housing 3-axis alignment bracket with quick-lock system Elongated holes for zero point adjustment during device replacement 	 Measuring range up to 300 m Numerous fieldbus interfaces Pre-failure notification and diagnostic data available Display with intuitive menu and easy to see status LEDs Small and rugged metal housing 3-axis alignment bracket with quick lock system Elongated holes for precise adjustment of sensor offset SPEEDCON™ and standard M12 electrical connections
Detailed information	→ 9	→16

Solve positioning tasks intelligently







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Product description

The distance sensors in the DL100 product family focus on what really matters – a sound, reliable solution for standard positioning tasks – and combine leadingedge technology with an innovative design. The phase-shift laser measurement process ensures a high level of accuracy, even at sensing ranges of up to 220 m. Additionally, this equipment affords optimum handling thanks to the alignment bracket, a housing that is the smallest in this sensor class, plus its sophisticated connection design uses quick lock cables. The DL100 product family is based on a concept that is designed to achieve a low total cost of ownership, making it an attractive choice. It offers the right solution to accommodate any need.

At a glance

- Measuring range up to 220 m
- Numerous fieldbus interfaces
- Pre-failure notification and diagnostic data available
- Display with intuitive menu structure and clearly visible status LEDs
- Small, rugged metal housing
- 3-axis alignment bracket with quicklock system
- Elongated holes for zero point adjustment during device replacement

Your benefits

- 100,000 hours of laser service life ensures that the sensor will have a long, useful life with maximum reliability
- Versions with integrated heating enable reliable use at ambient temperatures at up to -40°C. The TPCC cooling housing, available as an option, enables use at up to +75°C
- The numerous interfaces offer a high degree of flexibility as well as rapid communication for maximum productivity

- Pre-failure notification and diagnostic data for maximum plant availability
- Small, rugged metal housing with SpeedCon™ compatible connectors ensures smooth handling – even in confined spaces
- Alignment bracket with quick lock system ensures fast alignment and easy device replacement, reducing maintenance and mounting costs

→ www.mysick.com/en/DL100

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more



Detailed technical data

Performance

Resolution	0.1 mm, 0.125 mm, 1 mm, 10 mm, 100 mm
Output rate	Synchronous to PLC request
Light source ¹⁾	Laser, red
Laser protection class	2 (EN 60825-1 / CDRH)
Typ. light spot size (distance)	5 mm (+ 2 mm x distance in m)
Max. movement speed	10 m/s
Internal measurement cycle	1 ms

 $^{\scriptscriptstyle 1)}$ Average service life of 100,000 h at $T_{_A}$ = +25 °C .

Interfaces

Switching output ¹⁾	B (push/pull), MF1, MF2
Multifunctional input ²⁾	1 x MF1
¹⁾ HIGH > V _c - 3 V / LOW < 2 V.	

 $^{2)}$ HIGH > 12 V / LOW < 3 V.

Mechanics/electronics

Supply voltage V _s	DC 18 V 30 V, limit values
Ripple ¹⁾	5 V _{pp}
Initialization time ²⁾	Тур. 1.5 s
Housing material	Aluminum/zinc die-cast
Connection type	Connector M12, SPEEDCON™ compatible
Indication	6 digit 5 x 7 dot matrix display, LEDs
Weight ³⁾	Approx. 800 g 1,600 g
Output current I _A ⁴⁾	≤ 100 mA

 $^{\scriptscriptstyle 1)}$ May not fall short of or exceed $\rm V_S$ tolerances.

 $^{\rm 2)}$ After loss of reflector < 40 ms.

³⁾ Without mounting bracket: approx. 800 g, with mounting bracket: approx. 1,600 g.

⁴⁾ Short circuit/overload protected. Max. 100 nF / 20 mH.

Ambient data

Enclosure rating	IP 65
Protection class	III
Electromagnetic compatibility (EMC) ¹⁾	EN 61000-6-2, EN 61000-6-4
Effect of air pressure	0.3 ppm/hPa
Effect of air temperature	1 ppm/K
Temperature drift	Тур. 0.1 mm/К
Mechanical load	Shock: EN 600 68-2-27 Sine: EN 600 68-2-6 Noise: EN 600 68-2-64

¹⁾ This is a Class A device. This device can cause radio interference in living quarters.

Ordering information

Ambient temperature	Power con- sumption	Measuring range ²⁾	Accu- racy	Repeatability ³⁾	Interface	Model name	Part no.
					SSI	DL100-11AA2101	1059957
				1.5 mm (at dead	PROFIBUS	DL100-11AA2102	1059959
		0.15 m 60 m	±3 mm	time 10 ms), 0.75 mm (at dead	RS-422	DL100-11AA2103	1059961
		00111		time 30 ms)	PROFINET	DL100-11AA2112	1060045
					CANopen	DL100-11AA2109	1060392
Operation					SSI	DL100-12AA2101	1059963
-20 °C +55 °C ¹⁾				2 mm (at dead time	PROFIBUS	DL100-12AA2102	1059965
Operation with cooling case -20 °C +75 °C	At 24 V DC < 250 mA	0.15 m 130 m	±4 mm	10 ms), 1 mm (at dead time	RS-422	DL100-12AA2103	1059967
Storage	4 200 min	100 111		30 ms)	PROFINET	DL100-12AA2112	1060047
-40 °C +75 °C					CANopen	DL100-12AA2109	1060394
					SSI	DL100-13AA2101	1059969
		0.15 m 220 m	±5mm	2.5 mm (at dead time 10 ms), 1.25 mm (at dead	PROFIBUS	DL100-13AA2102	1059971
					RS-422	DL100-13AA2103	1059973
		220 111		time 30 ms)	PROFINET	DL100-13AA2112	1060049
					CANopen	DL100-13AA2109	1060396
		0.15 m 60 m ± 3 m		1.5 mm (at dead time 10 ms), 0.75 mm (at dead time 30 ms)	SSI	DL100-11HA2101	1059958
			±3 mm		PROFIBUS	DL100-11HA2102	1059960
					RS-422	DL100-11HA2103	1059962
					PROFINET	DL100-11HA2112	1060046
					CANopen	DL100-11HA2109	1060393
Operation with heating					SSI	DL100-12HA2101	1059964
-40 °C +55 °C ¹⁾				2 mm (at dead time	PROFIBUS	DL100-12HA2102	1059966
Operation with cooling case -40 °C +75 °C	At 24 V DC < 1,000 mA	0.15 m 130 m	± 4 mm	10 ms), 1 mm (at dead time	RS-422	DL100-12HA2103	1059968
Storage	1,000 1111	100 111		30 ms)	PROFINET	DL100-12HA2112	1060048
-40 °C +75 °C					CANopen	DL100-12HA2109	1060395
					SSI	DL100-13HA2101	1059970
				2.5 mm (at dead	PROFIBUS	DL100-13HA2102	1059972
		0.15 m 220 m	± 5 mm	time 10 ms), 1.25 mm (at dead	RS-422	DL100-13HA2103	1059974
		-20 11		time 30 ms)	PROFINET	DL100-13HA2112	1060050
					CANopen	DL100-13HA2109	1060397

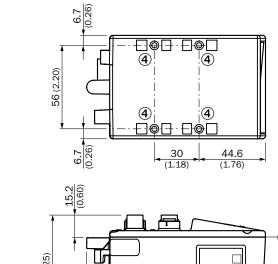
¹⁾ Temperatures < -10 °C require warm-up time of typ. 7 minutes.

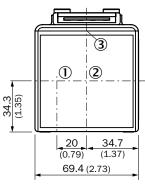
 $^{\scriptscriptstyle 2)}$ On reflective tape "Diamond Grade".

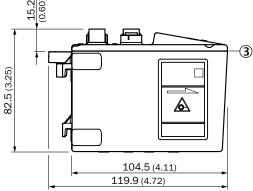
 $^{\scriptscriptstyle 3)}$ Statistical error 1 $\sigma,$ environmental conditions constant, depending on operating mode.

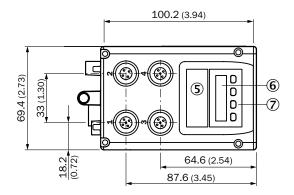
Dimensional drawing

dimensions in mm









1 Optical axis, sender

2 Optical axis, receiver

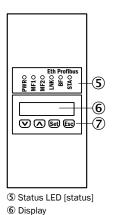
③ Zero level

- ④ Threaded mounting hole M5
- Status LED [status]
- ⑥ Display

⑦ Control elements

Adjustments

DL100-xxXXxx02



⑦ Control elements

 Original
 Profinet

 Original
 S

 Original
 S

DL100-xxXXxx12

⑤ Status LED [status]⑥ Display

 $\ensuremath{\overline{\mathcal{O}}}$ Control elements

O

DL100-xxXXxx09

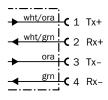
③ Control elements

Connection type and diagram

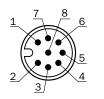
Please note: Since wire color on 8-pin connection cables are not normed, always check for a correct pin to wire color assignment when using connection cables other than specified here.

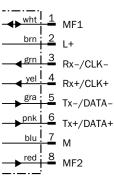
Dx100 Ethernet Socket M12, 4-pin, D-coded



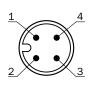


Dx100 SSI, RS-422 Connector M12, 8-pin, A-coded





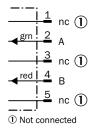
Dx100 PROFIBUS/ PROFINET/CANopen Connector M12, 4-pin, A-coded







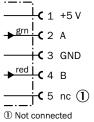




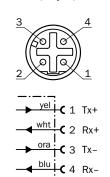
DL100

Dx100 PROFIBUS OUT Connector M12, 5-pin, B-coded

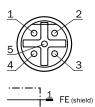




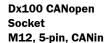
Dx100 PROFINET, Port 1/ Port 2 Socket M12, 4-pin, D-coded

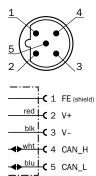






red 2 V+ blk 3 Vwht 4 CAN_H → blu 5 CAN_L





Recommended accessories

Plug connectors and cables

	Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
~	Female connector, M12, 4-pin, straight, 2 m, PVC	DOL-1204-G02M	6009382	-	•	-	•	•
Illustration may	Female connector, M12, 4-pin, straight, 5 m, PVC	DOL-1204-G05M	6009866	-	•	-	•	•
differ	Female connector, M12, 4-pin, straight, 10 m, PVC	DOL-1204-G10M	6010543	-	•	-	•	•
~	Female connector, M12, 5-pin, straight, 5 m, PROFIBUS, shielded	DOL-1205-G05MQ	6026006	-	ullet	-	-	-
	Female connector, M12, 5-pin, straight, 10 m, PROFIBUS, shielded	DOL-1205-G10MQ	6026008	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 15 m, PROFIBUS, shielded	DOL-1205-G15MQ	6032637	-	ullet	-	-	-
~ ~	Female connector, M12, 8-pin., straight, 2 m, PUR halogen free, shielded	DOL-1208-G02MAH1	6032448	•	-	•	-	-
	Female connector, M12, 8-pin., straight, 5 m, PUR halogen free, shielded	DOL-1208-G05MAH1	6032449	•	-	•	-	-
	Female connector, M12, 8-pin., straight, 10 m, PUR halogen free, shielded	DOL-1208-G10MAH1	6032450	•	-	•	-	-
	Male connector, M12, 4-pin, straight, PROFIBUS, terminal resistor	PR-STE-END	6021156	-	•	-	-	-
	Connection cable, Ethernet patch cable, 2 m, straight, connector M12, 4-pin to connector RJ-45 $$	SSL-2J04-G02ME	6034414	•	•	•	-	•
	Connection cable, Ethernet patch cable, 5 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G05ME	6035389	•	•	•	-	•
	Connection cable, Ethernet patch cable, 10 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G10ME	6030928	•	•	•	-	•
	Connecting cable, M12 male connector, straight, to open end, 2 m $$	SSL-1204-G02MZ90	6048247	-	-	-	ullet	-
	Connecting cable, M12 male connector, straight, to open end, 5 \ensuremath{m}	STL-1204-G05MZ90	6048248	-	-	-	ullet	-
	Connecting cable, M12 male connector, straight, to open end, 10 \ensuremath{m}	STL-1204-G10MZ90	6048249	-	-	-	ullet	-
~	Male connector, M12, 5-pin, straight, 5 m, PROFIBUS, shielded	STL-1205-G05MQ	6026005	-	•	-	-	-
	Male connector, M12, 5-pin, straight, 10 m, PROFIBUS, shielded	STL-1205-G10MQ	6026007	-	•	-	-	-
Ø Ø	Male connector, M12, 5-pin, straight, 15 m, PROFIBUS, shielded	STL-1205-G15MQ	6036898	-	•	-	-	-

Reflectors

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Reflector plate, DG tape 665 mm x 665 mm, material: base plate aluminum, screw connection	PL560DG	1016806	•	•	•	•	•

Terminal and alignment brackets

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Alignment unit for Dx100, steel, zinc coated, incl. mounting material	BEF-AH-DX100	2058653	•	•	•	•	•

For additional accessories, please see page 23.

Reliable, fast, precise positioning





Additional information

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Product description

The DL100 Hi family combines leading edge technology with innovative design. The product's phase-shift measurement technology ensures the highest performance, which, in co-operation with drives manufacturers, has been optimized for perfect integration into closed control loops. Our innovative 3-axis bracket, the smallest housing in its sensor class, as well as the intelligent quick lock system with fast connectors, offers optimized handling and reduced costs of ownership.

At a glance

- Measuring range up to 300 m
- Numerous fieldbus interfaces
- Pre-failure notification and diagnostic data available
- Display with intuitive menu and easy to see status LEDs
- Small and rugged metal housing

3-axis alignment bracket with quick lock system

- Elongated holes for precise adjustment of sensor offset
- SPEEDCON™ and standard M12 electrical connections

Your benefits

- Enhanced closed-loop behavior offers highest performance and productivity
- Operating temperature down to -40
 °C ensures the highest reliability in
 cold storage warehouses and freezers
- Numerous fieldbus and Ethernetbased interfaces offer the highest flexibility and fast communication for maximum efficiency
- Pre-failure and extensive diagnostic data allow for preventive maintenance, ensuring the highest machine uptime
- Small, rugged metal housing and SpeedCon™ compatible connectors ensure hassle-free installation – even in confined spaces
- 3-axis alignment bracket ensures fast alignment and easy exchange, reducing maintenance and setup costs
- Numerous accessories allow flexible use and guarantee high operation functionality

www.mysick.com/en/DL100_Hi

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



Detailed technical data

Performance

Resolution	0.1 mm, 0.125 mm, 1 mm, 10 mm, 100 mm
Dead time	2 ms
Output rate	Synchronous to PLC request
Light source ¹⁾	Laser, red
Laser protection class	2 (EN 60825-1 / CDRH)
Typ. light spot size (distance)	5 mm (+ 2 mm x distance in m)
Max. movement speed	10 m/s
Acceleration (max.)	≤ 15 m/s²
Internal measurement cycle	1 ms

 $^{\scriptscriptstyle 1)}$ Average service life of 100,000 h at $T_{_A}$ = +25 °C .

Interfaces

Switching output ¹⁾	B (push/pull), MF1, MF2
Multifunctional input ²⁾	1 x MF1
¹⁾ HIGH > V_{o} - 3 V / LOW < 2 V.	

²⁾ HIGH > 12 V / LOW < 3 V.

Mechanics/electronics

Supply voltage V_s	DC 18 V 30 V, limit values
Ripple ¹⁾	5 V _{pp}
Initialization time ²⁾	Тур. 1.5 s
Housing material	Aluminum/zinc die-cast
Connection type	Connector M12, SPEEDCON™ compatible
Indication	6 digit 5 x 7 dot matrix display, LEDs
Weight ³⁾	Approx. 800 g 1,600 g
Output current I _A ⁴⁾	≤ 100 mA

 $^{\scriptscriptstyle 1)}$ May not fall short of or exceed $\rm V_S$ tolerances.

 $^{2)}$ After loss of reflector < 40 ms.

 $^{\scriptscriptstyle 3)}$ Without mounting bracket: approx. 800 g, with mounting bracket: approx. 1,600 g.

⁴⁾ Short circuit/overload protected. Max. 100 nF / 20 mH.

Ambient data

Enclosure rating	IP 65
Protection class	III
Electromagnetic compatibility (EMC) ¹⁾	EN 61000-6-2, EN 61000-6-4
Effect of air pressure	0.3 ppm/hPa
Effect of air temperature	1 ppm/K
Temperature drift	Typ. 0.1 mm/K
Mechanical load	Shock: EN 600 68-2-27 Sine: EN 600 68-2-6 Noise: EN 600 68-2-64

 $^{\scriptscriptstyle (1)}$ This is a Class A device. This device can cause radio interference in living quarters.

Ordering information

Ambient temperature	Power con- sumption	Measuring range ²⁾	Accuracy	Repeatabil- ity ³⁾	Interface	Model name	Part no.
					SSI	DL100-21AA2101	1052684
					PROFIBUS	DL100-21AA2102	1052686
		0.15 m 100 m	± 2 mm	0.5 mm	RS-422	DL100-21AA2103	1052688
					PROFINET	DL100-21AA2112	1058164
					CANopen	DL100-21AA2109	1060386
Operation					SSI	DL100-22AA2101	1052690
-20 °C +55 °C ¹⁾					PROFIBUS	DL100-22AA2102	1052692
Operation with cooling case -20 °C +75 °C	At 24 V DC < 250 mA	0.15 m 200 m	± 2.5 mm	1 mm	RS-422	DL100-22AA2103	1052694
Storage	200 11.1				PROFINET	DL100-22AA2112	1058166
-40 °C +75 °C					CANopen	DL100-22AA2109	1060388
				2 mm	SSI	DL100-23AA2101	1052696
		0.15 m 300 m	± 3 mm		PROFIBUS	DL100-23AA2102	1052698
					RS-422	DL100-23AA2103	1052700
					PROFINET	DL100-23AA2112	1058168
					CANopen	DL100-23AA2109	1060390
					SSI	DL100-21HA2101	1052685
					PROFIBUS	DL100-21HA2102	1052687
		0.15 m 100 m	± 2 mm	0.5 mm	RS-422	DL100-21HA2103	1052689
					PROFINET	DL100-21HA2112	1058165
					CANopen	DL100-21HA2109	1060387
Operation with heating					SSI	DL100-22HA2101	1052691
-40 °C +55 °C					PROFIBUS	DL100-22HA2102	1052693
Operation with cooling case -40 °C +75 °C	At 24 V DC < 1.000 mA	0.15 m 200 m	± 2.5 mm	1 mm	RS-422	DL100-22HA2103	1052695
Storage	,				PROFINET	DL100-22HA2112	1058167
-40 °C +75 °C					CANopen	DL100-22HA2109	1060389
					SSI	DL100-23HA2101	1052697
					PROFIBUS	DL100-23HA2102	1052699
		0.15 m 300 m	±3 mm	2 mm	RS-422	DL100-23HA2103	1052701
					PROFINET	DL100-23HA2112	1058169
					CANopen	DL100-23HA2109	1060391

 $^{\scriptscriptstyle 1)}$ Temperatures < -10 °C require warm-up time of typ. 7 minutes.

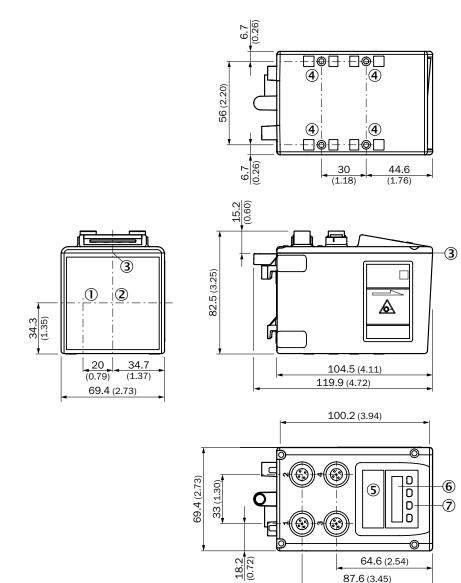
²⁾ On reflective tape "Diamond Grade".

 $^{\scriptscriptstyle 3)}$ Statistical error 1 $\sigma,$ environmental conditions constant, min. warm-up time 10 min.

DL100 Hi

Dimensional drawing

dimensions in mm



87.6 (3.45)

1 Optical axis, sender

2 Optical axis, receiver

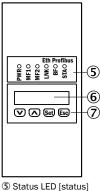
3 Zero level

- 4 Threaded mounting hole M5
- (5) Status LED [status]
- ⑥ Display

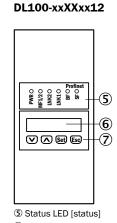
⑦ Control elements

Adjustments

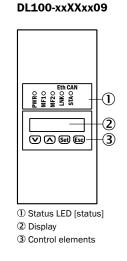
DL100-xxXXxx02



⑤ Status LED [status]
⑥ Display
⑦ Control elements



⑥ Display⑦ Control elements

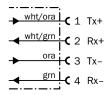


Connection type and diagram

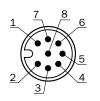
Please note: Since wire color on 8-pin connection cables are not normed, always check for a correct pin to wire color assignment when using connection cables other than specified here.

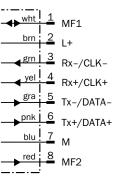
Dx100 Ethernet Socket M12, 4-pin, D-coded



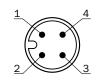


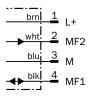
Dx100 SSI, RS-422 Connector M12, 8-pin, A-coded





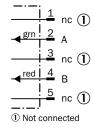
Dx100 PROFIBUS/ PROFINET/CANopen Connector M12, 4-pin, A-coded





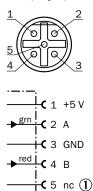






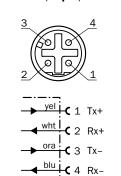
DL100 Hi

Dx100 PROFIBUS OUT Connector M12, 5-pin, B-coded

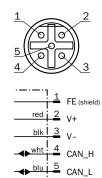


① Not connected

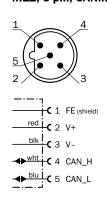
Dx100 PROFINET, Port 1/ Port 2 Socket M12, 4-pin, D-coded



Dx100 CANopen Socket M12, 5-pin, CANout



Dx100 CANopen Socket M12, 5-pin, CANin



Recommended accessories

Plug connectors and cables

	Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
\sim	Female connector, M12, 4-pin, straight, 2 m, PVC	DOL-1204-G02M	6009382	-	•	-	•	•
	Female connector, M12, 4-pin, straight, 5 m, PVC	DOL-1204-G05M	6009866	-	•	-	•	•
Illustration may differ	Female connector, M12, 4-pin, straight, 10 m, PVC	DOL-1204-G10M	6010543	-	•	-	•	•
~	Female connector, M12, 5-pin, straight, 5 m, PROFIBUS, shielded	DOL-1205-G05MQ	6026006	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 10 m, PROFIBUS, shielded	DOL-1205-G10MQ	6026008	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 15 m, PROFIBUS, shielded	DOL-1205-G15MQ	6032637	-	٠	-	-	-
	Female connector, M12, 8-pin., straight, 2 m, PUR halogen free, shielded	DOL-1208-G02MAH1	6032448	•	-	•	-	-
	Female connector, M12, 8-pin., straight, 5 m, PUR halogen free, shielded	DOL-1208-G05MAH1	6032449	•	-	•	-	-
	Female connector, M12, 8-pin., straight, 10 m, PUR halogen free, shielded	DOL-1208-G10MAH1	6032450	•	-	•	-	-
	Male connector, M12, 4-pin, straight, PROFIBUS, terminal resistor	PR-STE-END	6021156	-	•	-	-	-
	Connection cable, Ethernet patch cable, 2 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G02ME	6034414	•	•	•	-	•
	Connection cable, Ethernet patch cable, 5 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G05ME	6035389	•	•	•	-	•
· · · · ·	Connection cable, Ethernet patch cable, 10 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G10ME	6030928	•	•	•	-	•
	Connecting cable, M12 male connector, straight, to open end, 2 \ensuremath{m}	SSL-1204-G02MZ90	6048247	-	-	-	ullet	-
	Connecting cable, M12 male connector, straight, to open end, 5 \ensuremath{m}	STL-1204-G05MZ90	6048248	-	-	-	•	-
	Connecting cable, M12 male connector, straight, to open end, 10 \ensuremath{m}	STL-1204-G10MZ90	6048249	-	-	-	•	-
~	Male connector, M12, 5-pin, straight, 5 m, PROFIBUS, shielded	STL-1205-G05MQ	6026005	-	•	-	-	-
	Male connector, M12, 5-pin, straight, 10 m, PROFIBUS, shielded	STL-1205-G10MQ	6026007	-	٠	-	-	-
<i>1</i>	Male connector, M12, 5-pin, straight, 15 m, PROFIBUS, shielded	STL-1205-G15MQ	6036898	-	•	-	-	-

Reflectors

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Reflector plate, DG tape 665 mm x 665 mm, material: base plate aluminum, screw connection	PL560DG	1016806	•	•	•	•	•

Terminal and alignment brackets

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Alignment unit for Dx100, steel, zinc coated, incl. mounting mate- rial	BEF-AH-DX100	2058653	•	•	•	•	•

For additional accessories, please see page 23.

Accessories

Adapters/distributors

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Signal converter from SSI to analog signal (0 mA 20 mA $/$ 4 mA 20 mA $/$ 0 V 10 V)	HN.SK20.2	6021449	•	-	-	-	-

Device protection (mechanical)

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Thermo protection cooling case DS/DT500, peltier cooling unit, fiber glass housing	TPCC Cooling Case Dx100	6048328	•	•	•	•	•

Mounting brackets/plates

	Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
	Adapter plate for DME3000 to Dx100	BEF-AP3-Dx100	2064250	•	ullet	ullet	ullet	ullet
	Adapter plate for DME4000 / DME5000 to Dx100	BEF-AP4/5-Dx100	2062704	•	•	•	•	•

Plug connectors and cables

0				_	_	_		_
	Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
~								
N	Data cable for Ethernet with 4-pin M12 plug, angled, 8-pin RJ45 plug, 5 m	Connection cable (plug-plug)	6039488	•	•	•	-	•
	Female connector, M12, 4-pin, straight, 2 m, PVC	DOL-1204-G02M	6009382	-	ullet	-	ullet	•
\sim	Female connector, M12, 4-pin, straight, 5 m, PVC	DOL-1204-G05M	6009866	-	٠	-	ullet	•
100	Female connector, M12, 4-pin, straight, 10 m, PVC	DOL-1204-G10M	6010543	-	ullet	-	ullet	ullet
Illustration may differ	Female connector, M12, 4-pin, straight, 15 m, PVC	DOL-1204-G15M	6010753	-	•	-	ullet	ullet
uner	Female connector, M12, 4-pin, straight, 20 m, PVC	DOL-1204-G20M	6034401	-	٠	-	ullet	•
	Female connector, M12, 4-pin, straight, 5 m, PVC, shielded	DOL-1204-G05MA	6042100	-	•	-	•	•
	Female connector, M12, 4-pin, straight, 2 m, PUR halogen free	DOL-1204-G02MC	6025900	-	٠	-	ullet	•
	Female connector, M12, 4-pin, straight, 5 m, PUR halogen free	DOL-1204-G05MC	6025901	-	•	-	ullet	•
	Female connector, M12, 4-pin, straight, 10 m, PUR halogen free	DOL-1204-G10MC	6025902	-	•	-	ullet	•
	Female connector, M12, 4-pin, straight, 15 m, PUR halogen free	DOL-1204-G15MC	6034749	-	٠	-	ullet	•
	Female connector, M12, 4-pin, straight, 20 m, PUR halogen free	DOL-1204-G20MC	6034750	-	•	-	ullet	•
	Female connector, M12, 4-pin, straight, 25 m, PUR halogen free	DOL-1204-G25MC	6034751	-	•	-	ullet	•
	Female connector, M12, 4-pin, straight, 5 m, PUR halogen free, shielded	DOL-1204-G05MAC	6038621	-	•	-	•	•
No.	Female connector, M12, 4-pin, straight, 10 m, PUR halogen free, shielded	DOL-1204-G10MA	6041797	-	•	-	•	•
	Female connector, M12, 4-pin, angled, 2 m, PVC	DOL-1204-W02M	6009383	-	•	-	•	•
\sim	Female connector, M12, 4-pin, angled, 5 m, PVC	DOL-1204-W05M	6009867	-	•	-	ullet	•
	Female connector, M12, 4-pin, angled, 10 m, PVC	DOL-1204-W10M	6010541	-	•	-	ullet	•
Illustration may differ	Female connector, M12, 4-pin, angled, 15 m, PVC	DOL-1204-W15M	6036474	-	•	-	ullet	•
uller	Female connector, M12, 4-pin, angled, 20 m, PVC	DOL-1204-W20M	6033559	-	•	-	•	•
	Female connector, M12, 4-pin, angled, 2 m, PUR halogen free	DOL-1204-W02MC	6025903	-	•	-	ullet	•
	Female connector, M12, 4-pin, angled, 5 m, PUR halogen free	DOL-1204-W05MC	6025904	-	•	-	•	•
$\langle \rangle$	Female connector, M12, 4-pin, angled, 10 m, PUR halogen free	DOL-1204-W10MC	6025905	-	•	-	ullet	•
	Female connector, M12, 4-pin, angled, 15 m, PUR halogen free	DOL-1204-W15MC	6034752	-	•	-	ullet	•
	Female connector, M12, 4-pin, angled, 20 m, PUR halogen free	DOL-1204-W20MC	6034753	-	•	-	ullet	•
	Female connector, M12, 4-pin, angled, 25 m, PUR halogen free	DOL-1204-W25MC	6034754	-	•	-	ullet	•
6	Female connector, M12, 4-pin, angled, 5 m, PVC, shielded	DOL-1204-W05MA	6042098	-	•	-	•	•
	Female connector, M12, 5-pin, straight, 5 m, PROFIBUS, shielded	DOL-1205-G05MQ	6026006	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 10 m, PROFIBUS, shielded	DOL-1205-G10MQ	6026008	-	•	-	-	-
~	Female connector, M12, 5-pin, straight, 12 m, PROFIBUS, shielded	DOL-1205-G12MQ	6032636	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 15 m, PROFIBUS, shielded	DOL-1205-G15MQ	6032637	-	•	-	-	-
18 18	Female connector, M12, 5-pin, straight, 20 m, PROFIBUS, shielded	DOL-1205-G20MQ	6032638	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 30 m, PROFIBUS, shielded	DOL-1205-G30MQ	6032639	-	•	-	-	-
	Female connector, M12, 5-pin, straight, 50 m, PROFIBUS, shielded	DOL-1205-G50MQ	6032861	-	•	-	-	-

	Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
	Female connector, M12, 5-pin, straight, 5 m, CAN/CANopen, shielded on pin 1	DOL-1205-G05M_ Can	6021166	-	-	-	-	•
	Female connector, M12, 5-pin, straight, 10 m, CAN/CANopen, shielded on pin 1	DOL-1205-G10M_ Can	6021175	-	-	-	-	•
Sec.	Female connector, M12, 5-pin, straight, 6 m, DeviceNet/CANopen, dropcable shielded	DOL-1205-G06MK	6028326	-	-	-	-	•
	Female connector, M12, 5-pin, angled, 10 m, PROFIBUS, shielded	DOL-1205-W10MQ	6041425	-	•	-	-	-
	Female connector, M12, 8-pin., straight, 2 m, PUR halogen free, shielded	DOL-1208-G02MAH1	6032448	•	-	•	-	-
\sim	Female connector, M12, 8-pin., straight, 5 m, PUR halogen free, shielded	DOL-1208-G05MAH1	6032449	•	-	•	-	-
	Female connector, M12, 8-pin., straight, 10 m, PUR halogen free, shielded	DOL-1208-G10MAH1	6032450	•	-	•	-	-
	Female connector, M12, 8-pin, straight, 20 m, PUR halogen free, shielded,	DOL-1208-G20MAH1	6032451	•	-	•	-	-
	Profibus adapter cable DME4000 / DME5000 to DL100 Hi	DSC-1608-1204	2062595	-	•	-	-	-
\bigcap	SSI / RS-422 adapter cable DME4000 / DME5000 to DL100 Hi	DSC-1608-1208	2062563	•	-	ullet	-	-
No tono	SSI / RS-422 adapter cable DME3000 to DL100 Hi	DSC-1612-1208	2061596	•	-	•	-	-
	Connection cable, M12, 5-pin, connector straight/socket straight, 2 m, CAN/CANopen, shielded	DSL-1205-G02MK	6028903	-	-	-	-	•
1	Connection cable, M12, 5-pin, connector straight/socket straight, 3 m, CAN/CANopen, shielded	DSL-1205-G03MK	6021165	-	-	-	-	•
No Co	Connection cable, M12, 5-pin, connector straight/socket straight, 5 m, CAN/CANopen, shielded	DSL-1205-G05MK	6021168	-	-	-	-	•
	Connection cable, M12, 5-pin, connector straight/socket straight, 6 m, CAN/CANopen, shielded	DSL-1205-G06MK	6028327	-	-	-	-	•
N N	Connection cable, M12, 5-pin, connector straight/socket straight, 10 m, PROFIBUS, shielded	DSL-1205-G10MQ	6032640	-	•	-	-	-
The second	Connection cable, M12, 5-pin, connector straight/socket straight, 1 m, CAN/CANopen, shielded	DSL1205-G01MK	6021164	-	-	-	-	•
	Female connector, M12, 5-pin, 2 m, PVC	DeviceNet cable	6030920	-	-	-	-	•
	Female connector, M12, 5-pin, 3 m, PVC	DeviceNet cable	6030739	-	-	-	-	\bullet
	Female connector, M12, 5-pin, 4 m, PVC	DeviceNet cable	6030740	-	-	-	-	\bullet
J 🤝	Female connector, M12, 5-pin, 5 m, PVC	DeviceNet cable	6030741	-	-	-	-	•
	Female connector, M12, 5-pin, 6 m, PVC	DeviceNet cable	6030742	-	-	-	-	
\mathcal{N}	Cable, by the meter, PROFIBUS, shielded	LTG-2102-MW	6021355	-	•	-	-	-
	Cable, by the meter, 8-pin, PUR halogen free, shielded, twinned wires	LTG-3108-MW	6032456	•	-	•	-	-
	Male connector, M12, 5-pin, straight, PROFIBUS, shielded	PR-STE-1205-G	6021354	-	•	-	-	-
	Male connector, M12, 4-pin, straight, PROFIBUS, terminal resistor	PR-STE-END	6021156	-	•	-	-	-

	Defect de contestion	Madalmana	Denting	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
	Brief description Connecting cable, M12 male connector, D-coded, angled, to M12	Model name SSL-1204-F02MZ90	Part no. 6048250	_	_	_	•	_
	male connector, straight, 2 m Connecting cable, M12 male connector, D-coded, angled, to M12						•	
	male connector, straight, 5 m Connecting cable, M12 male connector, D-coded, angled, to M12	SSL-1204-F05MZ90	6048251	-	-	-	•	-
	male connector, straight, 10 m	SSL-1204-F10MZ90	6048252	-	-	-	•	-
	Connecting cable, M12 male connector D-coded straight to M12 male connector straight, 2 m	SSL-1204-G02MZ90	6048241	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, straight, to M12 male connector, straight, 5 m	SSL-1204-G05MZ90	6048242	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, straight, to M12 male connector, straight, 10 m	SSL-1204-G10MZ90	6048243	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, angled, to RJ45, straight, 2 m $$	SSL-2J04-F02MZ	6048253	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, angled, to RJ45, straight, 5 \mbox{m}	SSL-2J04-F05MZ	6048254	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, angled, to RJ45, straight, 10 \mbox{m}	SSL-2J04-F10MZ	6048255	-	-	-	•	-
	Connection cable, Ethernet patch cable, 2 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G02ME	6034414	•	•	•	-	•
	Connection cable, Ethernet patch cable, 3 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G03ME	6029630	•	•	•	-	•
	Connection cable, Ethernet patch cable, 5 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G05ME	6035389	•	•	•	-	•
Millustration may	Connection cable, Ethernet patch cable, 10 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G10ME	6030928	•	•	•	-	•
differ	Connection cable, Ethernet patch cable, 20 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G20ME	6036158	•	•	•	-	•
	Connection cable, Ethernet patch cable, 25 m, straight, connector M12, 4-pin to connector RJ-45	SSL-2J04-G25ME	6033555	•	•	•	-	•
	Connecting cable, M12 male connector, D-coded, straight, to RJ45, straight, 2 m $$	SSL-1204-G02MZ60	6048244	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, straight, to RJ45, straight, 5 \mbox{m}	SSL-1204-G05MZ60	6048245	-	-	-	•	-
	Connecting cable, M12 male connector, D-coded, straight, to RJ45, straight, 10 \mbox{m}	SSL-1204-G10MZ60	6048246	-	-	-	•	-
	Ethernet cable, M12, 4-pin, angled/RJ45, CAT5, 2 m	SSL-2J04-H02ME60	6047911	•	•	•	-	•
	Ethernet cable, M12, 4-pin, angled/RJ45, CAT5, 5 m	SSL-2J04-H05ME60	6045287	٠	•	•	-	•
	Ethernet cable, M12, 4-pin, angled/RJ45, CAT5, 10 m	SSL-2J04-H10ME60	6045288	•	•	•	-	•
	Male connector, M12, 5-pin, straight, terminal resistor, DeviceNet and CANopen	STE-1205-GKEND	6037193	-	-	-	-	•
	Connecting cable, M12 male connector, straight, to open end, 2 m	STL-1204-G02MZ90	6048247	-	-	-	•	-
	Connecting cable, M12 male connector, straight, to open end, 5 m	STL-1204-G05MZ90	6048248	-	-	-	•	-
	Connecting cable, M12 male connector, straight, to open end, 10 m	STL-1204-G10MZ90	6048249	-	-	-	•	-
	Connecting cable, M12 male connector, angled, to open end, 2 m	STL-1204-W02MZ90	6048256	-	-	-	•	-
	Connecting cable, M12 male connector, angled, to open end, 5 m	STL-1204-W05MZ90	6048257	-	-	-	•	-
	Connecting cable, M12 male connector, angled, to open end, 10 m	STL-1204-W10MZ90	6048258	-	-	-	•	-
	Connecting cable, M12 male connector, angled, to open end, 25 \ensuremath{m}	STL-1204-W25MZ90	6048259	-	-	-	•	-

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Male connector, M12, 5-pin, straight, 5 m, PROFIBUS, shielded	STL-1205-G05MQ	6026005	-	•	-	-	-
Male connector, M12, 5-pin, straight, 10 m, PROFIBUS, shielded	STL-1205-G10MQ	6026007	-	ullet	-	-	-
Male connector, M12, 5-pin, straight, 12 m, PROFIBUS, shielded	STL-1205-G12MQ	6032635	-	ullet	-	-	-
Male connector, M12, 5-pin, straight, 15 m, PROFIBUS, shielded	STL-1205-G15MQ	6036898	-	ullet	-	-	-
Connection cable, DeviceNet drop cable, 10 m, straight, connector M12, 5-pin to open end, drag-chain compliant	STL-1205-G10M_CAN	6021293	-	-	-	-	•
 Male connector, M12, 5-pin, angled, 5 m, PROFIBUS, shielded	STL-1205-W05MQ	6041426	-	ullet	-	-	-
Male connector, M12, 5-pin, angled, 10 m, PROFIBUS, shielded	STL-1205-W10MQ	6041427	-	•	-	-	-

Power supply units/ power cord connectors

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Power supply unit, DC 24 V / 10 A, 110 120, 210 240 VAC, 24 VDC, 10 A, for cap rail mounting and TPCC supply	Power supply unit	6020875	•	•	•	•	•

Reflectors

Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
Reflector plate, DG tape 1,200 mm x 1,200 mm, material: base plate aluminum, screw connection	PL1200DG	1051679	•	•	•	•	•
Reflector plate, DG tape 330 mm x 330 mm, material: base plate aluminum, screw connection	PL240DG	1017910	•	•	•	•	•
Reflector plate, DG tape 330 mm x 330 mm, material: base plate aluminum, screw connection, heated	PL240DG-H	1022926	•	•	•	•	•
Reflector plate, DG tape 665 mm x 665 mm, material: base plate aluminum, screw connection	PL560DG	1016806	•	•	•	•	•
Reflector plate, DG tape 665 mm x 665 mm, material: base plate aluminum, screw connection, heated	PL560DG-H	1023888	•	•	•	•	•
Reflector plate, DG tape 1,000 mm x 1,000 mm, material: base plate aluminum, screw connection	PL880DG	1018975	•	•	•	•	•
Diamond Grade reflective tape, sheet, 749 mm x 914 mm, self-adhesive	REF-DG	5320565	•	•	•	•	•
Diamond Grade reflective tape, customizable by sheet, self-adhe- sive	REF-DG-K	4019634	•	•	•	•	•

Sets

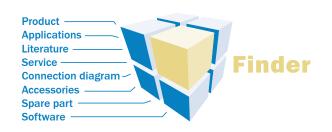
		Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
	Accessory kit for retrofit from DME3000 PROFIBUS to Dx100 PROFIBUS	DME3000 Dx100 PROFIBUS retrofit kit	2065222	-	•	-	-	-
V.	Accessory kit for retrofit from DME3000 SSI/RS-422 to Dx100 SSI/ RS-422 to Dx100 SSI/ RS-422 $$	DME3000 Dx100 SSI/RS-422 retrofit kit	2065223	•	_	•	-	-
<u>IN</u>	Accessory kit for retrofit from DME4000/5000 PROFIBUS to Dx100 PROFIBUS	DME4000/5000 Dx100 PROFIBUS retrofit kit	2065220	-	•	-	-	-
	Accessory kit for retrofit from DME4000/5000 SSI/RS-422 to Dx100 SSI/RS-422	DME4000/5000 Dx100 SSI/RS-422 retrofit kit	2065221	•	-	•	-	-

Terminal and alignment brackets

	Brief description	Model name	Part no.	Dx100 SSI	Dx100 PROFIBUS	Dx100 RS-422	Dx100 PROFINET	Dx100 CANopen
R.	Alignment unit for Dx100, steel, zinc coated, incl. mounting mate- rial	BEF-AH-DX100	2058653	•	•	•	•	•

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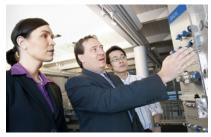
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