

WI180C-IOA00

Interface modules

INTEGRATION MODULES AND ADAPTERS





Ordering information

Туре	part no.
WI180C-I0A00	6071650

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



Detailed technical data

Features

Product segment	Integration modules and adapters
Product	Interface modules
Description	IO-Link Smart Sensor Gateway for WLL180T, KTL180 and AOD1; Features: IO-Link; COM3; M8 connection, 4-pin; full read/write functionality for the process and service data of the connected sensors. See operating instructions for additional information and technical details
Enclosure rating	IP50
Dimensions (W x H x L)	39 mm x 36.3 mm x 102.35 mm

Classifications

ECLASS 5.0	27242202
ECLASS 5.1.4	27242602
ECLASS 6.0	27242602
ECLASS 6.2	27242602
ECLASS 7.0	27242602
ECLASS 8.0	27242602
ECLASS 8.1	27242602
ECLASS 9.0	27242602
ECLASS 10.0	27242602
ECLASS 11.0	27242602
ECLASS 12.0	27242602
ETIM 5.0	EC001597
ETIM 6.0	EC001597
ETIM 7.0	EC001597
ETIM 8.0	EC001597
UNSPSC 16.0901	32151705

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China-RoHS	✓
cULus certificate	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

Technical data

Features	Supported products	WLL180T fiber amplifiers
reatures	supported products	KTL180 fiber contrast sensors
		OD1 displacement sensors (via AOD1 amplifier)
		OL1 displacement sensors (via AOD1 amplifier)
	Further functions	IO-Link connection for easy configuration of the WI180C-IO Sensor
		Integration Gateway with SOPAS ET, the engineering tool from SICK
Mechanics/ Electronics	Supply voltage	10.8 - 26.4 V (SIO), 18 - 26.4 V (IO-Link)
	Power consumption (without connected devices)	40 mA
	Switch-on delay	300 ms (connected to one WLL180T/KTL180)
	Switch-on delay (overall system)	350 ms (connected to 16 WLL180T/KTL180)
	, , , , , , , , , , , , , , , , , , , ,	2.5 s (connected to one AOD1 with OD1)
	Optical indicators	1 Green (Power/C)
	Optical marcators	2 Orange (Q1, Q2)
	Switching output	Push/Pull
	Output: QL1 / C	Switching output or IO-Link mode
	Output current Imax	≤ 100 mA ⁶
	Pin 2 configuration	External input, Teach-in, switching signal
	Connection type	Male connector M8, 4-pin
	Circuit protection	A^2
		B ³
		C ⁴
	Protection class	III
	Weight	20 g
	Dimensions (W x H x D)	10.5 mm x 34.6 mm x 71.9 mm
	Housing material	Plastic, ABS/PC
	Enclosure rating	IP50 ^S
C-f-t		
Safety-related parameters	MTTFd	520.7 years
	DCavg	0%
Smart Task	Smart Task name	Base logics (SLTI)
	Logic function	Direct
		AND
		OR
		Window
		Hysteresis
	Timer function	Deactivated
		On delay
		Off delay
		ON and OFF delay
	Inverter	Impulse (one shot)
IO Link interface	Inverter Protectly person	Impulse (one shot) Yes
IO-Link interface	Protocol version	Impulse (one shot) Yes IO-Link V1.1
IO-Link interface	Protocol version Communication interface detail	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud)
IO-Link interface	Protocol version Communication interface detail Cycle time	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes (IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length	Impulse (one shot) Yes (IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes (IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes 10-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes (IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules)	Impulse (one shot) Yes
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 2 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 4 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit 96 - Bit 111 = Analog output 5 Bit
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules)	Impulse (one shot) Yes
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes (IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 1
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes (IO-Link V1.1 (COM3 (230.4 kBaud) 2.0 ms Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 11 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 10 - Bit 11 = QL1 - QL2 Bit 2 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 5 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 16 - Bit 31 = Analog output 7
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 2 Bit 111 = Analog output 1 Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 16 - Bit 31 = Analog output 7 Bit 16 - Bit 31 = Analog output 7 Bit 32 - Bit 47 = Analog output 7 Bit 32 - Bit 47 = Analog output 6 Bit 32 - Bit 47 = Analog output 6 Bit 32 - Bit 47 = Analog output 6 Bit 32 - Bit 47 = Analog output 6 Bit 32 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 - Bit 47 = Analog output 6 Bit 48 -
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes (IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms Bit 0 - Bit 1 = QL1 - QL2 Bit 3 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 2 Bit 112 - Bit 127 = Analog output 1 Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 13 = Analog output 7 Bit 32 - Bit 47 = Analog output 6 Bit 16 - Bit 31 = Analog output 7 Bit 32 - Bit 47 = Analog output 7 Bit 32 - Bit 47 = Analog output 6 Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 5 Bit 64 - Bit 79 = Analog output 5
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure	Impulse (one shot) Yes IO-Link V1.1 COM3 (23.04 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 1 Bit 0 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 112 - Bit 127 = Analog output 1 Bit 0 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 164 - Bit 73 = Module 1 Qint.1 - Module 7 Qint.2 Bit 164 - Bit 33 = Analog output 6 Bit 48 - Bit 63 = Analog output 6 Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 3
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules)	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 3 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 63 = Analog output 5 Bit 64 - Bit 63 = Analog output 4 Bit 80 - Bit 95 = Analog output 2 Bit 111 = Analog output 3 Bit 96 - Bit 111 = Analog output 1 Bit 0 - Bit 1 = Qt.1 - Qt.2 Bit 2 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 16 - Bit 31 = Analog output 1 Bit 0 - Bit 1 = Qt.1 - Qt.2 Bit 2 - Bit 17 = Analog output 5 Bit 64 - Bit 79 - Analog output 6 Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 - Analog output 4 Bit 80 - Bit 95 = Analog output 4 Bit 80 - Bit 95 = Analog output 3 Bit 96 - Bit 111 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 1
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (S analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules)	Impulse (one shot) Yes
IO-Link interface	Protectol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules)	Impulse (one shot) Yes Yes 10-Link V1.1 11-Link V1.1 1
	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules)	Impulse (one shot) Yes 10-Link V1.1 11-Link V
IO-Link interface	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version	Impulse (one shot) Yes
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules	Impulse (one shot) Yes IO-Link V1.1 COM3 (230.4 kBaud) 2.0 ms 16 bytes Bit 0 - Bit 1 = QL1 - QL2 Bit 3 - Bit 33 = Module 1 Qint.1 - Module 16 Qint.2 Bit 34 - Bit 47 = Reserved Bit 48 - Bit 63 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 2 Bit 111 = Analog output 2 Bit 111 = Analog output 1 Bit 0 - Bit 1 = QL1 - QL2 Bit 2 - Bit 15 = Module 1 Qint.1 - Module 7 Qint.2 Bit 64 - Bit 79 = Analog output 7 Bit 64 - Bit 79 = Analog output 5 Bit 64 - Bit 79 = Analog output 5 Bit 64 - Bit 79 = Analog output 4 Bit 80 - Bit 95 = Analog output 4 Bit 80 - Bit 197 = Analog output 4 Bit 80 - Bit 111 = Analog output 4 Bit 81 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 2 Bit 112 - Bit 127 = Analog output 1 26
	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules Electromagnetic compatibility (EMC)	Impulse (one shot) Yes
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID HEX Device ID DEC Bectromagnetic compatibility (EMC) Shock load	Impulse (one shot) Yes
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules Electromagnetic compatibility (EMC)	Impulse (one shot) Yes 10-Link V1.1 11-Link V
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID HEX Device ID DEC Bectromagnetic compatibility (EMC) Shock load	Impulse (one shot) Yes
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules Electromagnetic compatibility (EMC) Shock load Ambient operating temperature	Impulse (one shot) Yes 10-Link V1.1 11-Link V
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules Electromagnetic compatibility (EMC) Shock load Ambient operating temperature Ambient storage temperature Ambient storage temperature Ambient storage temperature Ambient operating temperature Ambient operating temperature	Impulse (one shot) Yes 10-Link V1.1 11-Link V
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules Electromagnetic compatibility (EMC) Shock load Ambient operating temperature Ambient storage temperature 2 A = VS connections reverse-polarity protected. 3 B = inputs and output reverse-polarity protected.	Impulse (one shot) Yes 10-Link V1.1 11-Link V
Internal system bus	Protocol version Communication interface detail Cycle time Process data length Process data structure (5 analog outputs out of 16 modules) Process data structure (7 analog outputs out of 7 modules) Vendor ID Device ID HEX Device ID DEC Protocol version Maximum number of connected modules Electromagnetic compatibility (EMC) Shock load Ambient operating temperature Ambient storage temperature Ambient storage temperature Ambient storage temperature Ambient operating temperature Ambient operating temperature	Impulse (one shot) Yes 10-Link V1.1 11-Link V

Dimensions in mm (inch)

with correctly attached system bus module.

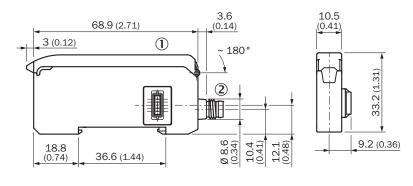
Obeyending on number of connected sensor devices.

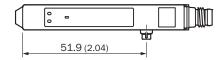
1-3 units: Ambient temperature -25...55°C; max. output current 100mA

4-8 units: Ambient temperature -25...50°C; max. output current 50mA

9-16 units: Ambient temperature -25...45°C; max. output current 20mA

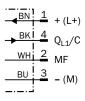
Dimensional drawing





Dimensions in mm (inch)

Anschlussschema Cd-447



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

