

Industrial media converter DMC-1000TS-DC



Features

- CC-Link IE Field^{*1}/Supports CC-Link IE Field Basic Network
*1: Certified by CC-Link Association
- Capable of extending the station-to-station distance up to 550 m
- Capable of using for noise and lightning surge countermeasures to the communication lines
- Noise immunity adapting to FA environment.
- Optical mode conversion 1000BASE-T ↔ 1000BASE-SX
- UL, CE, FCC certified and possible to export

General specification

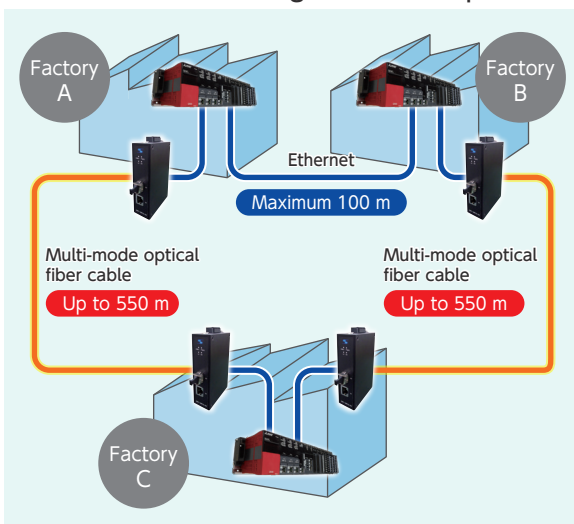
Item	Specification	
Operating ambient temperature	-20°C to 75°C	
Operating and storage humidity	5 to 95% RH or less (No condensation)	
External dimensions	W 30 mm × H 125 mm × D 90 mm (Including a DIN rail mounting feet, a power terminal block)	
Weight	200g (including a DIN rail mounting feet and a power terminal block)	
Suitable wire size	Single wire	φ 0.4 mm to φ 1.2 mm (AWG 26 to 16)
	Strand wire	0.2 mm ² to 1.25 mm ² (AWG 24 to 16)*2
	Stripped wire length	9 mm
Usage environment	In the board	

*2: Use a wire with its diameter φ 0.18 mm or more.

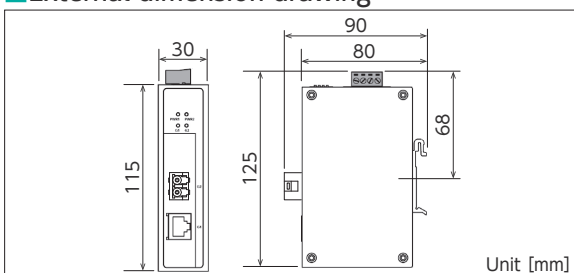
Power supply specification

Item	Specification
Power supply specification	12 V DC to 48 V DC
Current consumption	156 mA (24 V DC)
Power consumption	3.4 W or less

Communication configuration example



External dimension drawing

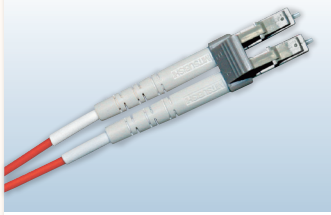


Detailed specification

Item	G1 port	G2 port
Compliance standards	IEEE802.3ab (1000BASE-T) IEEE802.3u (100BASE-TX)	IEEE802.3z (1000BASE-SX)
Applicable cable	Type	Not less than Category 5 UTP/STP cable (IEEE 802.3, ANSI/TIA/EIA-568-B)
	Connector	RJ45 plug
	Method of polishing	—
	Connection	Straight
Our model name	SC-E5EW Series	QG Series
Center emission wavelength	—	850 nm
Light emission level	—	-9.5 dBm to -4 dBm
Minimum light receiving level	—	-18 dB
Estimated transmission distance	Maximum 100 m	Maximum 550 m
Number of station to station connection	Up to 2 units	
PWR LED	Turn on when power is supplied	
LINK LED	Turn on when the link is up/Blink when the frame is received and transmitted/ Turn off when the link is down (Green: 1 Gbps, Orange: 10/100 Mbps)	

CC-Link IE Control related products

Optical fiber cable



Features

- Optical fiber cable certified by CC-Link Association
- A varied selection
- Capable to manufacture in 1m unit

Model	QG-AW	Use	For in-board use
Features	Code shape laying easy		

Model	QG-B	Use	For indoor/inter-board connection
Features	Improved tensile strength with built-in tensile strength fiber		

Model	QG-VCT	Use	For indoor operation section
Features	Improved the bendability by adopting elastic PVC		

Model	QG-BU	Use	For indoor
Features	Product conforming to UL standards (UL TYPE OFNR)		

Model	QG-C	Use	For outdoor
Features	Improved the tensile strength with built-in tensile strength fiber		

Model	QG-DL	Use	Outdoor reinforced type
Features	Adopted LAP sheath for temporary submersion		

Option

Relay adapters for QG series 2 pieces included

For extension of optical fiber cable (relay connection) and for temporary connection of the local area to be expanded in the future.



Model SPAD-LCF-G50

Applicable connector: LCF/LC connector



Model SPAD-SCF-G50

Applicable connector: SC connector



Model SPAD-FC-G50

Applicable connector: FC connector

Optical media converter

Model DMC-1000SL-DC



Features

- Capable of extending the station-to-station distance (550 m) of CC-Link IE controller network up to 15 km
- UL, CE certified
- Noise immunity adapting to FA environment

Connection terminal

Model SC-ECT-P3



Concentrator (HUB) for easy addition and deletion of units by making the physical structure a star type connection.

Features

- Capable of adding (concentrate) units up to 3 to station-to-station.
- Capable of adding and deleting units without replacing existing cables.

CC-Link IE Field related products

Ethernet cable



Features

- Ethernet cable certified by "CC-Link Association"
- Excellent in shielding property, possible to use for EMI and external noise countermeasures
- Capable of manufacturing in 1m unit

Model	SC-E5EW-S□M
Use	For indoor fixed part
Features	Standard cable supports communication characteristics of CC-Link IE Field

Model	SC-E5EW-S□M-MV
Use	For indoor moving parts
Features	Cable for moving parts to support repetitive operations

Model	SC-E5EW-S□M-L
Use	For outdoor fixture
Features	Cable adopting LAP sheath for outdoor environments

Option

Relay adapters 2 pieces included

Model SPAD-RJ45S-E5E



Features

- Available to use for extension of cable (relay connection) and connection with patch cord
- Available to use for detachment inside and outside the control panel (board mounted) on the patch panel

Applicable connector: RJ45 plug with shield

Industrial switching hub

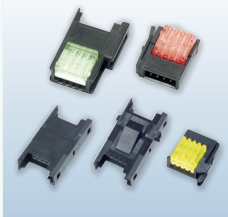


Model	Communication standard	Transmission speed
New DT125TX-B	100BASE-TX	100 Mbps
DT135TX	1000BASE-T	1 Gbps

Features

- Switching Hub certified by CC-Link Association
- Supports redundant power supply
- UL, CE certified
- Noise immunity adapts to FA environment

Open sensor connector (e-CON)



Features

- Connector conforming to industry standard e-CON
- Without wire pretreatment, available to compress easily
- Wide range of applicable wire size (AWG 28 to 20 (0.08 to 0.50 mm²))
- Relay connector with many types

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