

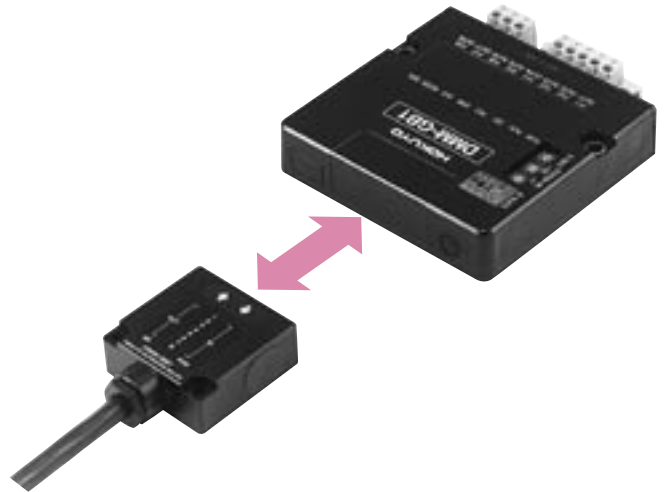
# Optical Data Transmission Device for CC-Link

## DMM-G/H

### Direct connection to CC-Link

This device, 8 bit parallel type is able to connect directly to CC-Link system.

- It is possible to communicate with DMS-G/HB & DMG-G/HB.
- Easy connection, connector type.
- It is possible to connect maximum 64 units to one master unit.

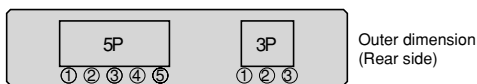


### Specifications

Type		Parallel type			
Model		DMM-GB1	DMM-HB1	DMM-GC1	DMM-HC1
Transmission direction		Head-on	Side-on	Head-on	Side-on
Power source		24VDC(18 to 30VDC available)			
Current consumption		70mA or less(at 24V)			
Optical communication	Transmission distance	0 to 1m*1		0 to 3m*2	
	Directional angle	Total 30°		Total 26°	
	Transmission capacity	8BIT/8BIT		16BIT/16BIT*3 or 15BIT/15BIT	
	Transmission method	Half duplex two-way transmission			
	Transmission time	Approx. 40msec			
	Modulation method	Pulse modulation			
	Detection method	Parity check			
PLC	Communication speed	10Mbps /5Mbps/2.5Mbps/625kbps/156kbps(Changeover by switch)			
	Transmission path	RS-485 bus			
	Remote station No.	1 to 64			
	Occupied station	1 station			
	Total extension distance*4	Communication speed: 10Mbps, 5Mbps, 2.5Mbps, 625kbps, 156kbps When using exclusive cable: 100m, 150m, 200m, 600m, 1,200m When using exclusive high-performance cable: 100m, 160m, 400m, 900m, 1,200m			
	Connection method	Connector type(5 pins)			
Ambient temperature/humidity	-10 to +50°C, 85%RH or less(Not condensing)				
Ambient illuminance	4,000lux(Incandescent/halogen lamp)				
Case	Cover: Polycarbonate, base/cable cover: ABS resin				
Weight	Approx. 110g				

\*1. 3m type is also available. \*2. Distance can be changed by adjuster \*3. 16th bit can be changed to Select input/GO output by input changeover switch.  
\*4. Total extended distance changes depending on total remote numbers and min. cable length between remote stations.

### Connection



#### 5P side(CC-Link)

Signals	Functions	Position
DA	Signal cable	①
DAR	Terminator provided	②
DB	Signal cable	③
DG	Signal GND cable	④
SLD	Shield	⑤

Note) If this device is connected to terminator, it is shorted between DA and DAR by the wire with 1mm.

#### 3P side(Equipment power source)

Signals	Functions	Position
FG	Earth	①
+24V	Power	②
+0V	Power	③

Note) Don't make a wiring with main circuit, high-voltage line or load wire because it is not affected by noise and surge induction.

### External dimensions

