

DMH-GB/HB



Optical Data Transmission Devices

This device is high-speed type, data transmission device.

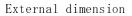
It is 5 times faster than DMS series and

It is b times faster than DMS series and this device can communicate more data in specific time.

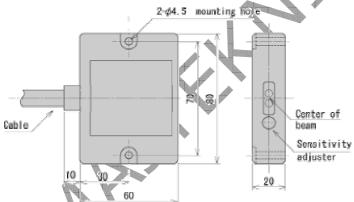
Specifications

m	Parallel type 8-bit type			
Туре				
Model No.	DMH-GB1	DMH-GB2	DMH-HB1	DMH-HB2
Transmission capacity(I/O)	8BIT/8BIT			
Direction	HEAD-ON		SIDE-ON	
Transmission distance	0.6m	3m	0.6m	3m
Directional angle	±15°	±5°	±15°	±5°
Transmission method	Half-duplex two-way transmission			
Transmission time	7msec			
Modulation method	FSK modulation			
Detection method	Bit-reverse comparison system			
Power source	18 to 30VDC (ripple 10% or less)			

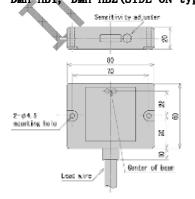
Current consumption	100mA Max.
Ambient illuminance	10,000lux or less
Ambient temperature/ humidity	-10 to +50 degrees C, 85%RH or less
Vibration resistance	Double amplitude 1.5mm, 10 to 30Hz, each 2 hour in X, Y and Z directions
	500m/s², each 10 time in X, Y and Z directions
Connection Protective structure	Lead wire (0.2mm², 26 cores, shield cable 2m long) IP64(IEC standard)



DMH-GB1, DMH-GB2(HEAD-ON type)

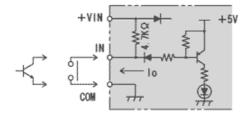


DMH-HB1, DMH-HB2 (SIDE-ON type)



Input/output circuit

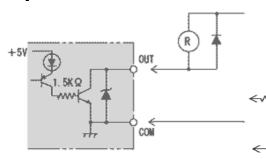
Input



Flow current when ON(IO): approx. 5mA(when 24VDC)

Allowable residual voltage when $\ensuremath{\text{ON}}$: use it with 1.8V or less

Output





35DC 50mA residual voltage 1.5V or less

Connector (1)			
Colors	Pin No.	Functions	
Pale blue	1	Power OV	
Pink	2	Power +V	
White	3	IN1	
White / black	4	IN2	
Brown	5	IN3	
Brown / black	6	IN4	
Red	7	IN5	
Red / black	8	IN6	
Orange	9	IN7	
Orange / black	10	IN8	
Yellow	11	MODE*1	

Connector (2)			
Colors	Pin No.	Functions	
Green / black	1	G0*3	
Blue	2	STROBE	
Blue / black	3	(BSY)	
Purple	4	OUT8	
Purple / black	5	OUT7	
Gray	6	OUT6	
Gray / black	7	OUT5	
Pink / black	8	OUT4	
Pale blue /	9	OUT3	

Yellow / black	12	COM(OV)
Green	13	SELECT*2

black			
Pink/red	10	OUT2	
Yellow/red	11	OUT1	
Pale blue/red	12	(M/S)	
White/red	13	(RDY)	
Shield	Shield		

*1 MODE input

This is to choose transmission/reception mode when standing by

- *Transmission stand-by mode by opened between mode and $I/0\ \text{COM}$
- *Reception stand-by mode by short-circuited between mode and I/O COM

Note) If one side is set to transmission stand-by mode, other one should be set to reception standby mode.

*2 SELECT input

This is to stop transmission/reception optionally by outer signal

- *Operating by opened between select and I/O COM
- *Stopping by short-circuited between select and I/0 COM
- *3 GO output

This is to check correct optical single

- *ON when receiving correct optical axis
- $* \texttt{OFF} \ \ \texttt{when} \ \ \texttt{interrupting} \ \ \texttt{optical} \ \ \texttt{axis} \ (\texttt{Not-receiving})$
- Note) Don't use the connector attached to the cables as connecting terminal.

Note) Don't use (BSY) (MS) and (RDY).

değişti Tel:212/2359535
Fax:212/2359537