

# HFGD3/R32

# IDC INTERFACE MODULE(32-CHANNEL)



### Features

- IDC interface to double-row terminal block interface, saving space
- Installation method: DIN35
- 0.2-2.5mm<sup>2</sup>/24-16AWG Wide range of wiring capacity

### CHARACTERISTIC

#### INPUT

Nominal voltage	
Max. continuous load current	
Wiring polarity	
Terminal type	
Control channel Qty	

#### OUTPUT

Operating voltage	
Max. switching current	
Max. continuous load current	
Terminal type	

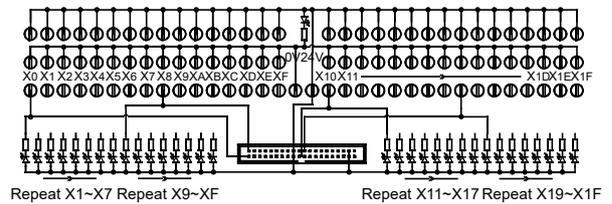
#### OTHER PARAMETER

Ambient temperature	-40~70°C	
Storage temperature	-40~70°C	
Vibration resistance	10Hz~60Hz, 0.3mm DA	
	60Hz~150Hz, 19.6m/s <sup>2</sup>	
Shock resistance	98m/s <sup>2</sup>	
Standard compliance	IEC61010-1	
Creepage distance	Between channels	≥0.2mm
Clearance distance	Between channels	≥0.2mm
Surge voltage(1.2/50μs)	800V	

#### PRODUCT INSTALLATION AND MAINTENANCE

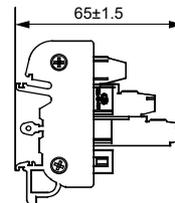
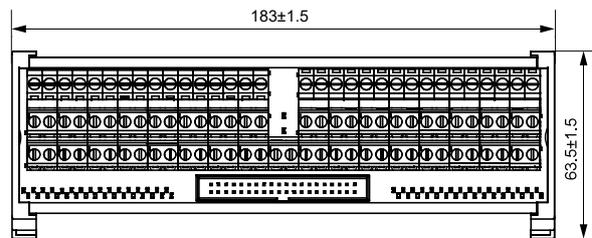
Installation	DIN35 guide rail installation (Compatible with 1.0mm and 1.2mm thickness)
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### CIRCUIT DIAGRAM



### OUTLINE DIMENSIONS

Unit: mm



HONGFA INDUSTRIAL ELECTRONIC MODULE

ISO9001, IATF16949, ISO14001, OHSAS18001, IECQ QC 080000 CERTIFIED

2022 Rev. 1.00

## ORDERING INFORMATION

Type	HFGD3 /	R	32	-R	D24	(XXX)
Product function code	R: input type					
Control Channel Qty	32: 32					
Installation	R: DIN-rail					
Rated input voltage	D24: 24VDC					
Special code	Nil:Standard    XXX: Custmoter special requirement					

Notes: Special requirements of customers will be expressed as special code after being evaluated by Hongfa.

### Annex 1: Wiring terminal parameter table(HFLS1A-508/MAXX)



#### Features

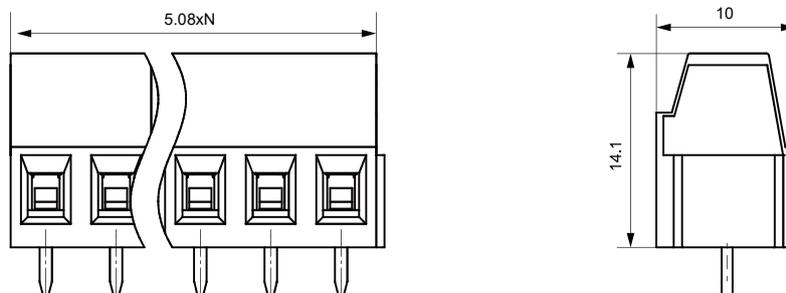
- PCB terminal block, lifting screw connector with pressing frame
- Use screwdriver for disassembly and assembly, with the torque of 0.4N·m

## TECHNICAL SPECIFICATION

Rated load	10A 300V(UL Standard)/17.5A 250V(IEC Standard)
Poles	2~24
Pitch	5.08mm
Conductor Cross Section	0.2~2.5mm <sup>2</sup> (Soild wire)/0.25~1.5mm <sup>2</sup> (Strand wier)
Rated Dielectric Strenth	2200VAC/min
Rated Withstand Pulse Voltage	4kV
Ambient temperature	-40°C~105°C
striping Length	7mm
Tihgtening Torque	0.4N·m
Insulation Material Type/Insulation Material Group	PA/I

## OUTLINE DIMENSIONS

Unit: mm



#### Remark:

- 1) Some outline demensions of the product have no dimensional tolerance noted:outline dimension $\leq$ 1mm; tolerance should be  $\pm$ 0.2mm; outline dimension $>$ 1mm and  $<$ 5mm, tolerance should be  $\pm$ 0.4mm;
- 2) In the layout of PCB mounting holes,if no dimensional tolerance is noted,it shall be calculated as  $\pm$ 0.1mm.

## Annex 2: Wiring terminal parameter table(HFLS 1A-508/MBXX)



### Features

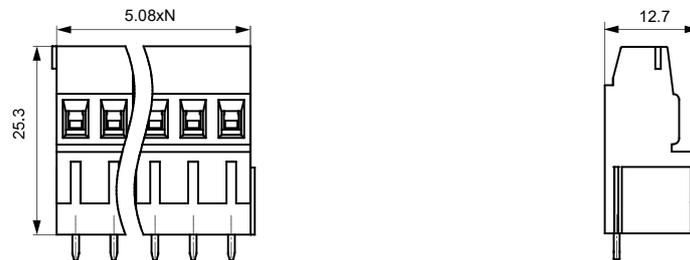
- PCB terminal block, lifting screw connector with pressing frame
- Use screwdriver for disassembly and assembly, with the torque of 0.4N·m

### TECHNICAL SPECIFICATION

Rated load	10A 300V(UL Standard)/17.5A 250V(IEC Standard)
Poles	2~24
Pitch	5.08mm
Conductor Cross Section	0.2~2.5mm <sup>2</sup> (Solid wire)/0.25~1.5mm <sup>2</sup> (Strand wire)
Rated Dielectric Strength	2200VAC/min
Rated Withstand Pulse Voltage	4kV
Ambient temperature	-40°C~105°C
stripping Length	7mm
Tightening Torque	0.4N·m
Insulation Material Type/Insulation Material Group	PA/I

### OUTLINE DIMENSIONS

Unit: mm



#### Remark:

- 1) Some outline dimensions of the product have no dimensional tolerance noted: outline dimension  $\leq 1\text{mm}$ ; tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $< 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ ;
- 2) In the layout of PCB mounting holes, if no dimensional tolerance is noted, it shall be calculated as  $\pm 0.1\text{mm}$ .

## Annex 3: Wiring terminal parameter table(HFLS 1A-508/MCXX)



### Features

- PCB terminal block, lifting screw connector with pressing frame
- Use screwdriver for disassembly and assembly, with the torque of 0.4N·m

### TECHNICAL SPECIFICATION

Rated load	10A 300V(UL Standard)/17.5A 250V(IEC Standard)
Poles	2~24
Pitch	5.08mm
Conductor Cross Section	0.2~2.5mm <sup>2</sup> (Solid wire)/0.25~1.5mm <sup>2</sup> (Strand wire)
Rated Dielectric Strength	2200VAC/min
Rated Withstand Pulse Voltage	4kV
Ambient temperature	-40°C~105°C
striping Length	7mm
Tightening Torque	0.4N·m
Insulation Material Type/Insulation Material Group	PA/I

### OUTLINE DIMENSIONS

Unit: mm



#### Remark:

- 1) Some outline dimensions of the product have no dimensional tolerance noted: outline dimension  $\leq 1\text{mm}$ ; tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $< 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ ;
- 2) In the layout of PCB mounting holes, if no dimensional tolerance is noted, it shall be calculated as  $\pm 0.1\text{mm}$ .

#### Disclaimer:

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.