. 1

. 1

. 1

. 3

. 3

. 3

. 3

. 5

PROFIBUS 5

GDHF-DP03 6

. 7

. 7

. 7

. 8

. 8

. 10

. 10

. 10

. 10

PROFIBUS 10

. 12

. 12

.....12
PROFIBUS 12
..... 16
.....16
PROFIBUS-DP 16
PPO 16
.....17
.....19
.....19
.....23
.....23
..... 25
LED 25
.....26
PROFIBUS 26
..... 28
PROFIBUS 29

PROFIBUS DP

GDHF-DP03

!

PROFIBUS DP GDHF-DP03

PROFIBUS DP GDHF-DP03

PROFIBUS DP

GDHF-DP03

PROFIBUS DP

GDHF-DP03

3

GDHF-DP03

PROFIBUS DP

GDHF-DP03

PROFIBUS DP

GDHF-DP03 ROFIBUS

PROFIBUS

PROFIBUS

PROFIBUS

PROFIBUS

PROFIBUS-FMS Fieldbus Message Specification

PROFIBUS-DP Decentralised Periphery PROFIBUS-PA Process Automation PROFIBUS DP GDHF-DP03

PROFIBUS-DP

RS-485

100~1200

31

PROFIBUS

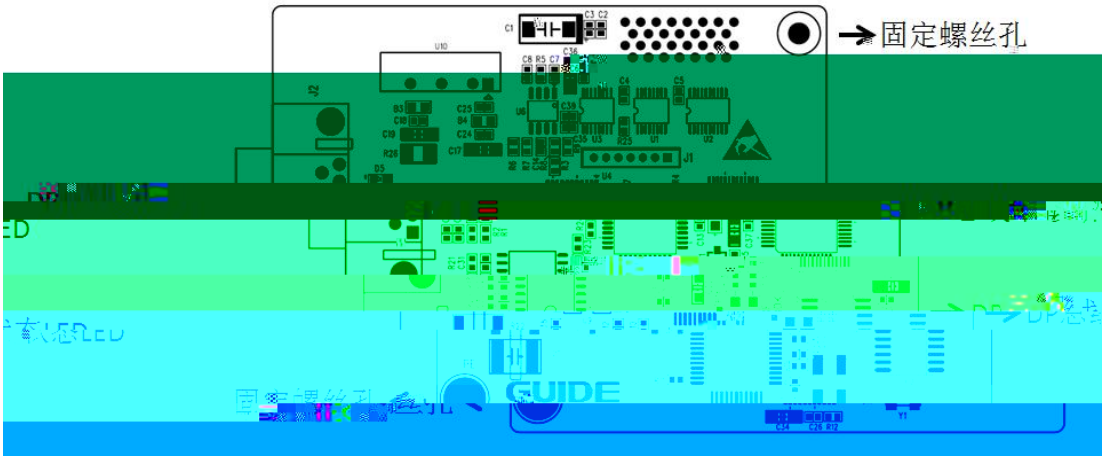
127

PROFIBUS ——

PLC ——

PROFIBUS

GDHF-DP03



1 GDHF-DP03

PROFIBUS DP DP03 HF600

PROFIBUS PROFIBUS

PROFIBUS DP GDHF-DP03

-
-
- PID

-
-
-

PROFIBUS DP GDHF-DP03

J14

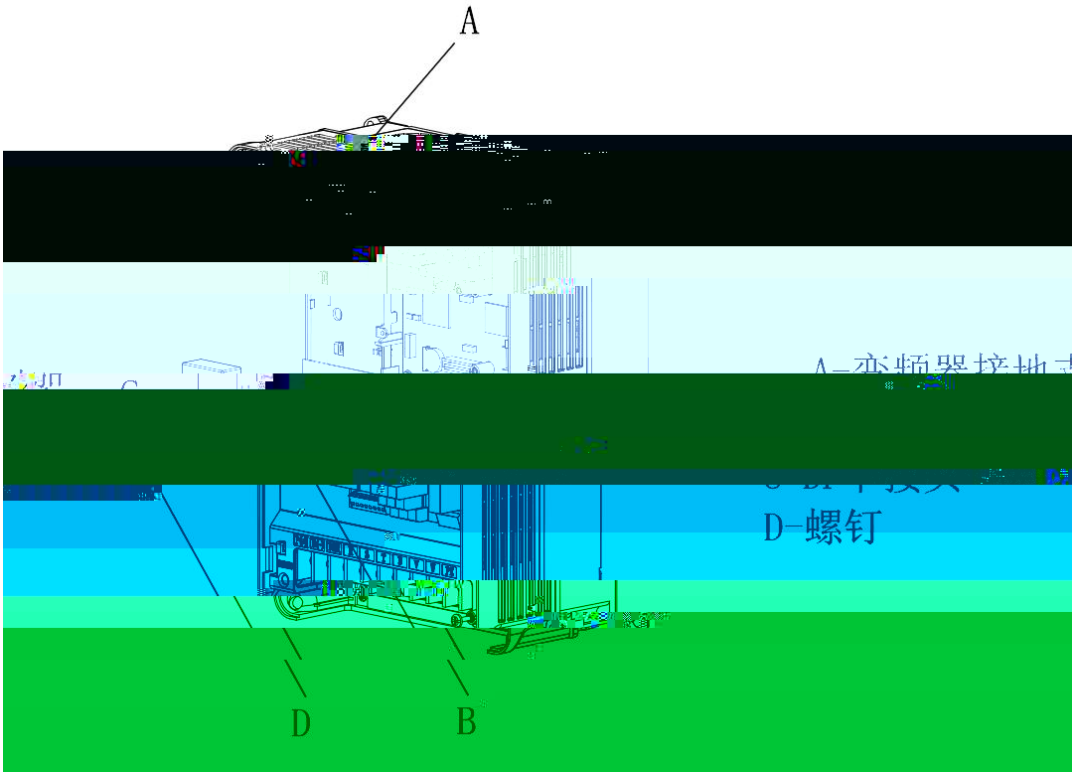
PROFIBUS DP GDHF-DP03

- HF650
- HF630
- HF620
- PROFIBUS-DP

PROFIBUS DP GDHF-DP03

- PROFIBUS DP GDHF-DP03
-
-

i]



2

15KW DP

DP

-
-
- PROFIBUS

5

DP

ON

PROFIBUS

DP

B1	B
A1	A
PE	PROFIBUS
B2	B
A2	A
PE	PROFIBUS

PROFIBUS

PROFIBUS DP GDHF-DP03

PROFIBUS DP

GDHF-DP03

(GSD)

http://www.gdetec.com GSD

GUIDE_PB.GSD

PROFIBUS

GDHF-DP03

PROFIBUS

1 PROFIBUS

P33.0	Profibus	[0] [1]	0 1	0
P33.1		PLC	1 255	1
P33.2		[0]PPO1 [1]PPO2 [2]PPO5 [3]GUIDE	0 3	2
P33.3			0 16	14
P33.4			0 16	14
P33.5		[0] [1] [2] [3]	0 3	0
P33.6		ms	0 1000	50
P33.7		[0] [1]	0 1	0
P33.8		s	0.0 10.0	3.0
P33.13	[WO]		0 1000	0
P33.14	[WO]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000	0 4	0

…	…	…	…	…
P33.45	[WO]		0 1000	0
P33.46	[WO]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0 4	0
…	…	…	…	…

1. PROFIBUS

[0] PROFIBUS

[1] PROFIBUS

2.

PROFIBUS

3. PPO

PROFIBUS PPO

5 PPO

4.

PPO [PPO1] 6 words in 6 words out

[PPO2] 10 words in 10 words out [PPO5] 14 words in

14 words out [GUIDE] 16 words in 16 words out

5.

PPO [PPO1] 6 words in 6 words out [PPO2] 10 words in 10 words out [PPO5] 14 words in 14 words out [GUIDE] 16 words in 16 words out

6.

HF600

7.

PLC

8.

HF600

9.

PLC

10.

PROFIBUS DP GDHF-DP03 PROFIBUS 9.6 kbit/s 19.2 kbit/s 45.45 kbit/s 93.75 kbit/s 187.5 kbit/s 500 kbit/s 1.5 Mbit/s 3Mbit/s 6 Mbit/s 12 Mbit/s GDHF-DP03

PROFIBUS

PROFIBUS-DP

PROFIBUS DP GDHF-DP03

PROFIBUS-DP PROFIBUS-DP I/O

PROFIBUS-DP PPO

Parameter/Process Data Objects /

PPO

PPO

	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13
PPO1	W0	W1	W2	W3	W4	W5								
PPO2	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9				
PPO5	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13

4 PPO

PLC صمم

PLC

3

W0	PA_STATUS	bit		
		0	Reserved	
		1	Reserved	
		2	SAVE_to_FLASH	‘0’ ‘1’ FLASH
		3	ILLEGAL_ADDRESS	‘0’ ‘1’
		4 ~ 15	Reserved	
W1	Address	byte	[15..08]	[07..00]
		Dat		

		a		
W2	0	0		
W3	Data	16		

4

5

4 5

HF600

1

4

CW0.0	RUN	‘0’ ‘1’

CW

5

C ψ g

GUIDE

2

5

SWO.0	READY	ı 0 ’ņ , m " Ű ņ , mə ‘ 1 ’ ŭ ≠
SWO.1	RUN	

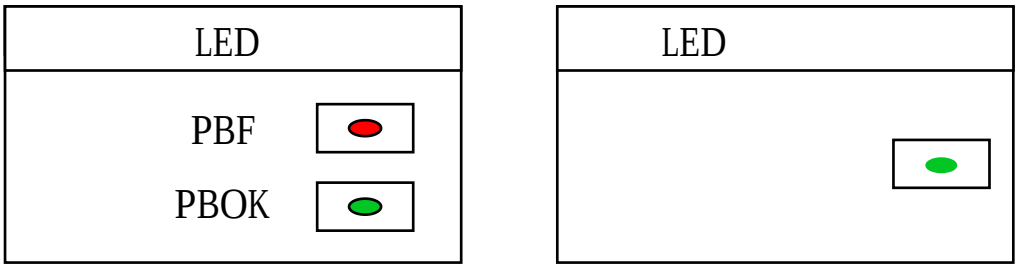
SW0.9	M_STEP3	4 ‘0’ ‘1’	4 4
SW0.10	Reserved		
SW0.11	Reserved		
SW0.12	REMOTE/LOCAL	/ ‘0’ ‘1’	
SW0.13	Reserved		
SW0.14 SW0.15	MOTION SEL	‘00’ ‘01’ ‘10’ ‘11’	1 2 3 4

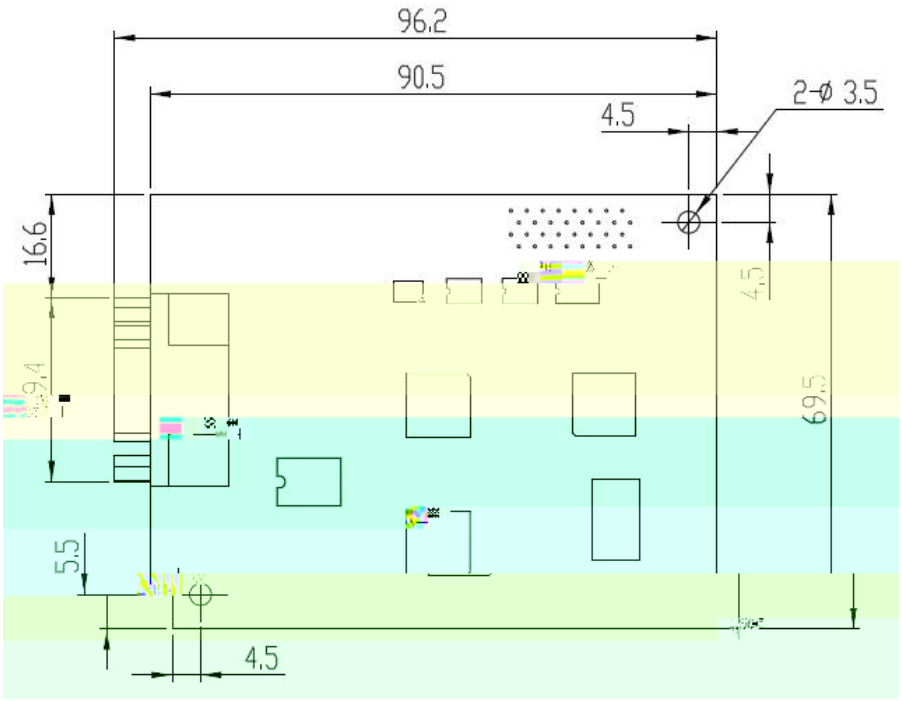
LED

GDHF-DP03 2 LED 1

LED LED GDHF-DP03

LED





5 PROFIBUS_DP mm

DIP

-
- PPO
-

PROFIBUS

PROFIBUS-DP

127 31 1

RS-485

	A PROFIBUS DP	B DIN 19245 Part1	
	135~165(3~20MHz)	100~130(f>100kHz)	W
	<30	<60	pF/m
	<110	--	Ω/km
	>0.64	>0.53	mm
	>0.34	>0.22	mm^2

(kbit/s)	≤ 93.75	187.5	500	1500	3000	6000	12000
A(m)	1200	1000	400	200	100	100	100
B(m)	1200	600	200	--	--	--	--

9.6kbit/s 19.2kbit/s 45.45kbit/s
93.75kbit/s 187.5kbit/s 500kbit/s
1.5Mbit/s 3Mbit/s 6Mbit/s 12Mbit/s

PROFIBUS-DP

Wuhan Guide Technology Co.,Ltd.

6

430223

86-027-87927230

yxzx@guide-edrive.com

www.guide-edrive.com

400-0077-570

GDHF-DP03-DOC-UM-REV1.04
2024.04