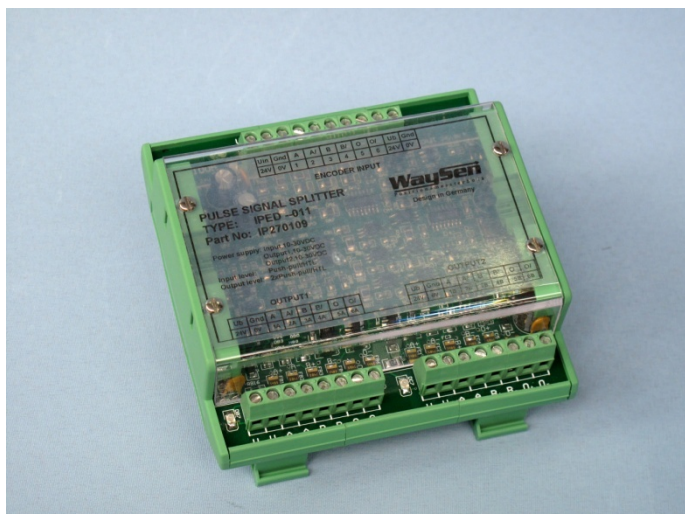


IPED incremental encoder signal splitter

Output push-pull/HTL, RS422 (line driver)



Compact design, suitable for industry application, divide the encoder signal to two group, one connect with PLC, The other connect with motor drive.

- Protection class IP20
- Input push-pull/HTL/RS422 (A+B+O & A/+B/+O/)
- Two Outputs push-pull/HTL (A+B+O & A/+B/+O/)
- Or Two outputs, RS422 (A+B+O & A/+B/+O/)
- Or One output, RS422 (A+B+O & A/+B/+O/), Another output push-pull/HTL (A+B+O & A/+B/+O/)

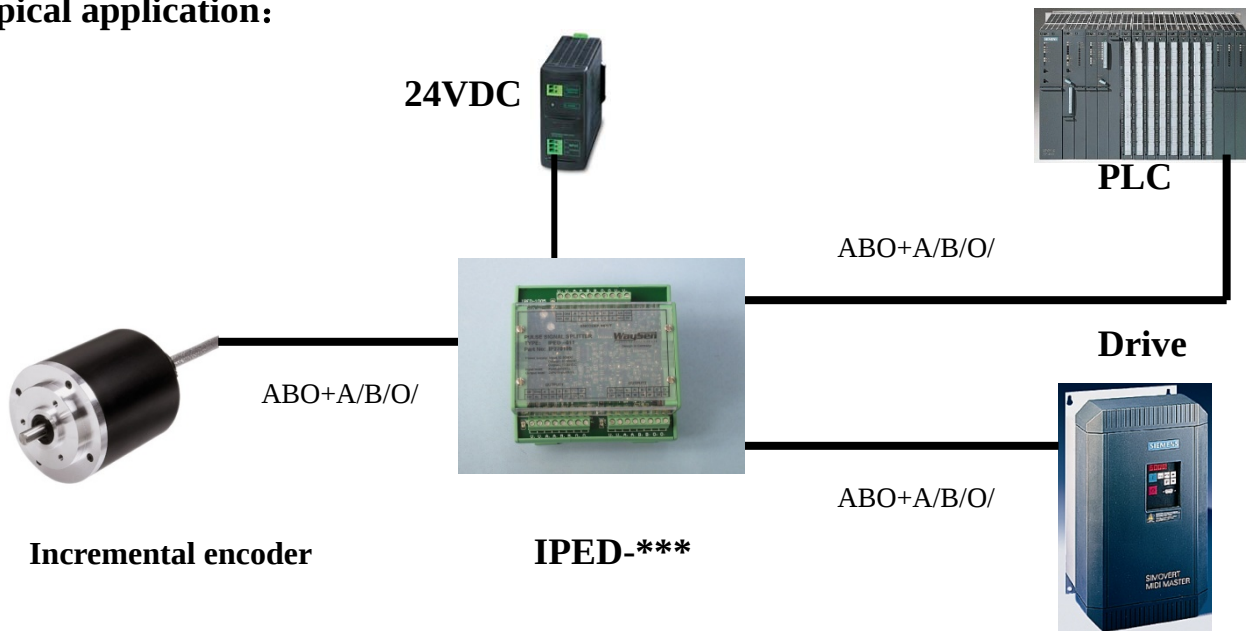
Technical feature

Input	Power supply:	10-30VDC/5VDC
Input:		Push-pull / HTL/RS422 differential (A+B+O and A/+B/+O/)
Output	Channel 1 power supply:	10-30VDC/5VDC (from PLC)
	Channel 2 power supply:	10-30VDC/5VDC (from drive)
Output frequency:		Max.300KHZ
Output:		Two groups push-pull/HTL differential output (A+B+O and A/+B/+O/). Or two groups RS422 (differential output). Or one group RS422 (differential output), The other group signal output push-pull/HTL (differential output).
Connection:		Terminal connection
Supply LED:		Red LED
Signal isolation:		Input and output: opto-isolation Between output: galvanic isolation
working environment:		
EMC resistance:		EN50081-1
Working temperature:		-25°C—+80°C
Mounting:		DIN 35MM rail
Diameter:		110x112x50
IP Class:		IP20
Weight:		Approx.100g

IPED incremental encoder signal splitter

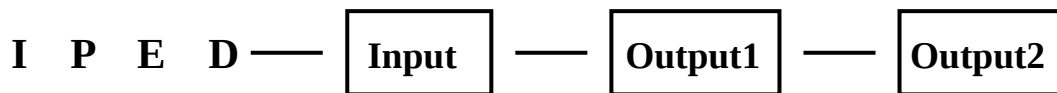
Output push-pull /HTL, RS422 (line driver)

Typical application:



Type code:

Type code:



Option:

H: 10-30VDC, Push-pull/HTL
T: 5VDC, RS422 (TTL)
X: 10-30VDC, RS422 (TTL)

Option:

H: 10-30VDC, Push-pull/HTL
T: 5VDC, RS422 (TTL)
X: 10-30VDC, RS422 (TTL)

Option:

H: 10-30VDC, Push-pull/HTL
T: 5VDC, RS422 (TTL)
X: 10-30VDC, RS422 (TTL)

IPED incremental encoder signal splitter

Output push-pull/HTL, RS422 (line driver)

Electrical connection:

1. IPED-H-H-H connection:

Signal	Input	Output 1	Output 2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	24VDCout	+24VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

2. IPED-H-T-Tconnection:

Signal	Input	Output 1	Output 2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	24VDCout	+5VDC in	+5VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

3. IPED-H-T-H connection:

Singal	Input	Output 1	Output 2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	24VDCout	+5VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

4. IPED-T-H-H connection:

Signal	Input	Output1	Output2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	5VDCout	+24VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

5. IPED-T-T-T connection:

Signal	Input	Output1	Output2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	5VDCout	+5VDC in	+5VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

6. IPED-T-T-H connection:

Signal	Input	Output1	Output2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	5VDCout	+5VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

7. IPED-X-H-H connection:

Signal	Input	Output1	Output2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	24VDCout	+24VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

8. IPED-X-X-X connection:

Signal	Input	Output1	Output2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	24VDCout	+24VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B

9. IPED-X-X-H connection:

Signal	Input	Output1	Output2
Uin	24VDCin	---	---
GND	0V	---	---
Ub	24VDCout	+24VDC in	+24VDC in
GND	0V	0V	0V
A	1	1A	1B
A/	2	2A	2B
B	3	3A	3B
B/	4	4A	4B
O	5	5A	5B
O/	6	6A	6B