

virtual encoder repeater 5191



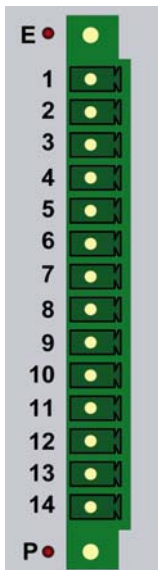
- Output voltage 5V
- Incremental repeater
- 1 interface
- Differential output

I/O

Pinout



LED:	Pin	Signal	Description
	8	A	activity
	9	B	activity
	12	Zero	activity
	13		reserved
	14		reserved
	E:		failure, red
	P:		power supply, red



Pin	Signal	Description
1	A	+5V=,diff. Output
2	/A	+5V=,diff. Output
3	B	+5V=,diff. Output
4	/B	+5V=,diff. Output
5	Zero	+5V=,diff. Output
6	/Zero	+5V=,diff. Output
7		reserved
8		reserved
9		reserved
10		reserved
11	Power	+24V=
12	Power	0V
13	Power	+24V=
14	Power	0V

All Power +24V= and Power 0V are internal connected

Attributes

Dataformat:

-

Applications:

Signal distribution of virtual encoder @P5190L
Available prints :

- @P5191R: virtual encoder repeater, 5V output

Related Applications:

The virtual encoder repeater works only together with the virtual encoder.

- @P5190L: virtual encoder, 5V input/output
- @P5192L: incremental interface master, 5V input

digital

output

Electrical Data

Power supply external..... GND required see notes, 24V= ±20% optional
 Operating current 5mA at 24 V
 Operating current @ctiveBus..... 45mA at 3,3V / 20mA at 5V
 Input protection 30V overvoltage, surge
 Limiting frequency 0,65kHz-333,3kHz

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System Information

System ID	none
System address space	0
Signal-LED P	power supply, red
Signal-LED E	reserved for failure, red

Environmental Conditions

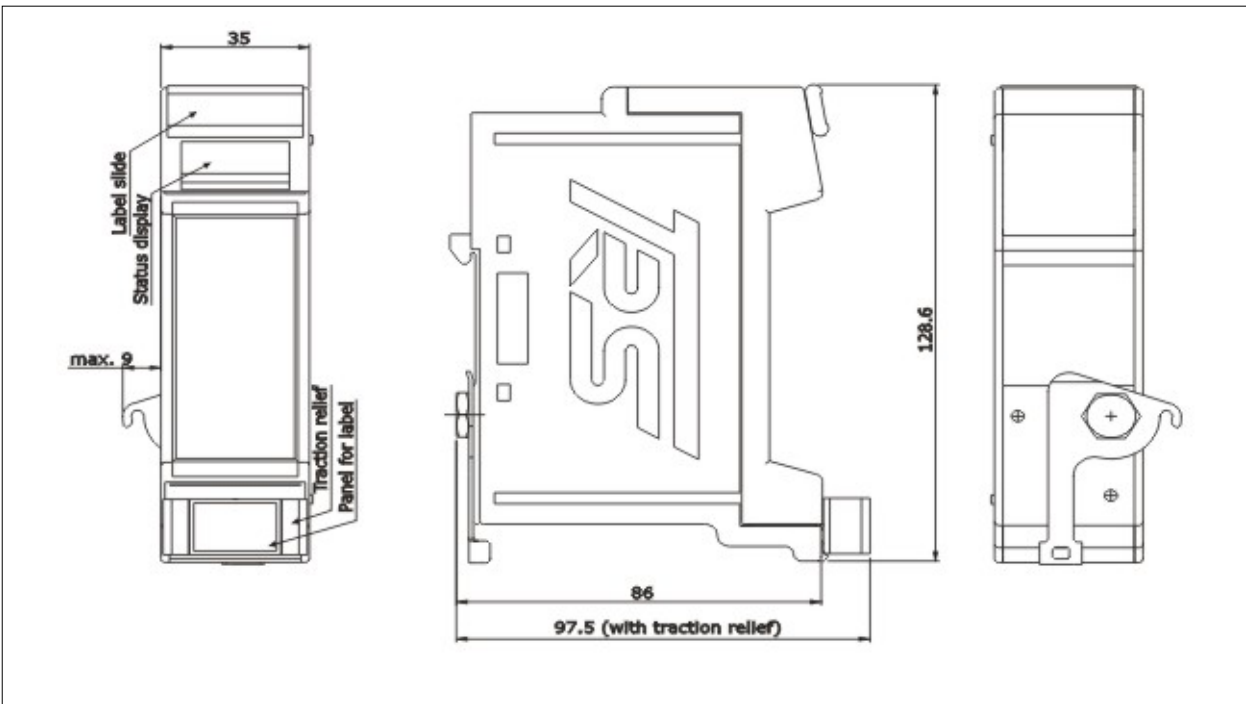
Electromagnetic compatibility (EMC)	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature [°C]	0..+55
Storage temperature [°C]	-20 .. +70
Humidity (rel)	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*The protection class is valid only with housing and connector installed

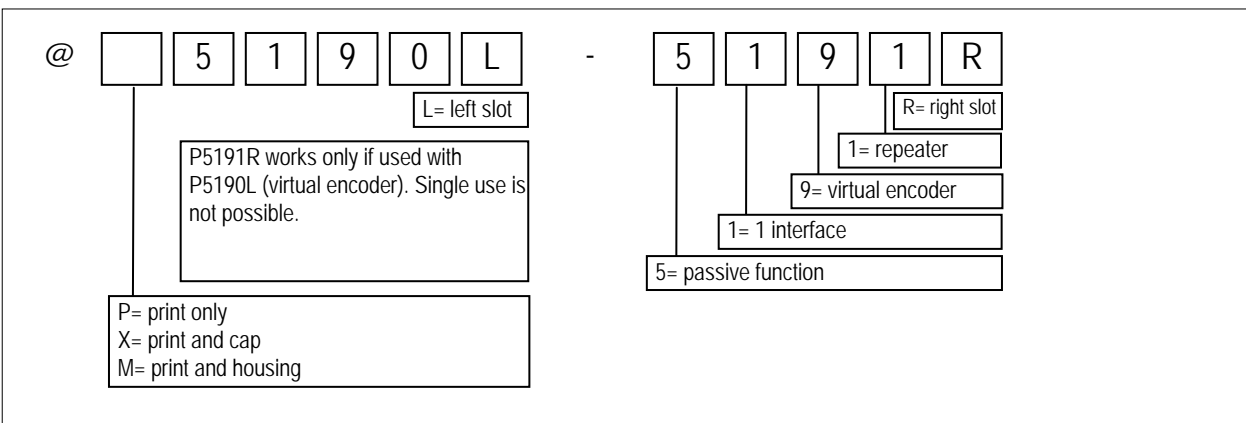
Mechanical Data (effective if mounted in @M housing)

Weight	approx. 0.05 kg including connector (PCB only)
Dimension	105mm x 80mm x 12mm (PCB only)

Drawing (effective if mounted in @M housing)

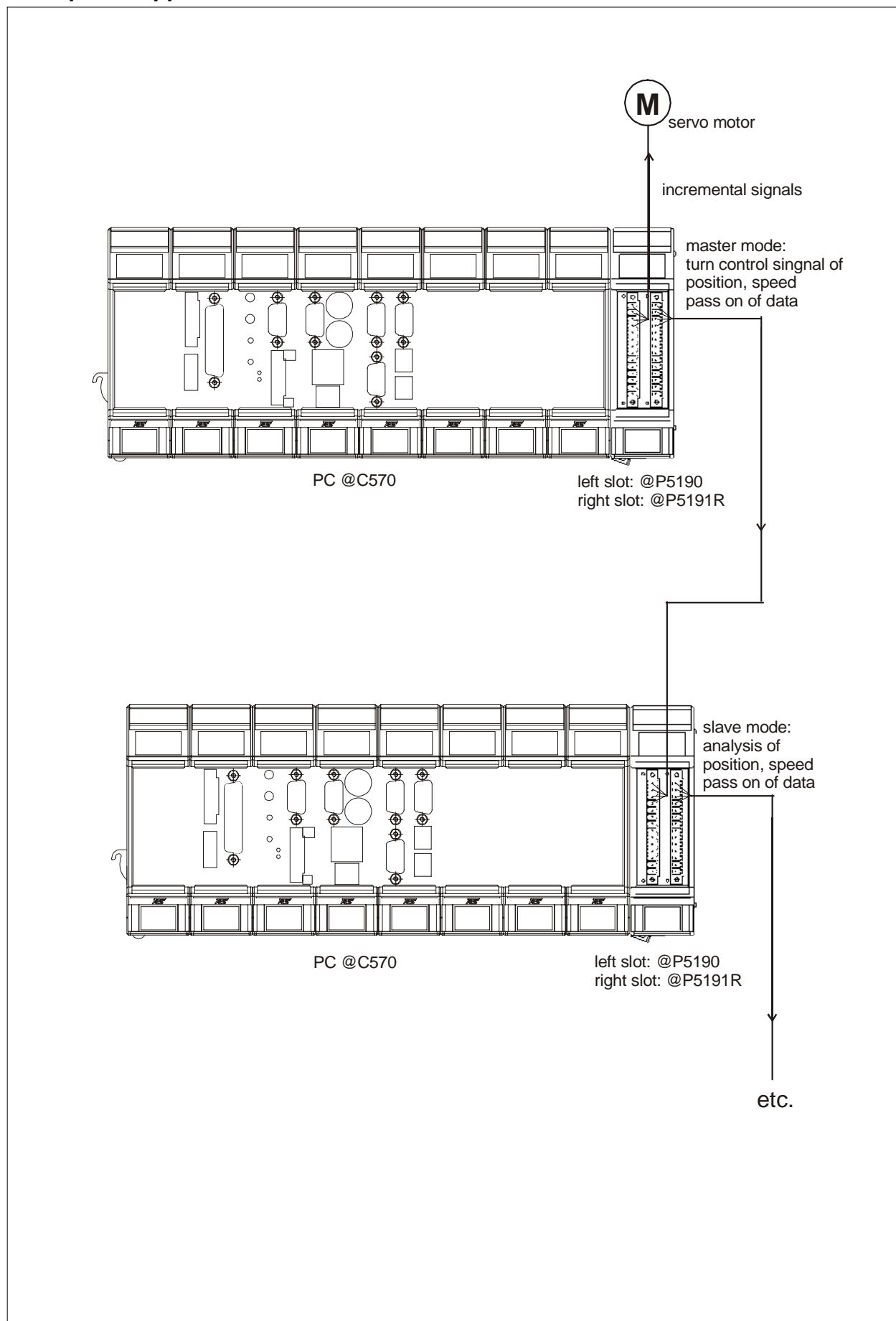


Ordering Key



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Example of Application



I/O

digital

output

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notes:

Caution:

Power 0V has to be directly connected with power 0V of the interface partner and power 0V of the controller-module.

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Revision change

Version	Description	Date (m/y)
00	Created	07/02
01	Added: Operating current at Electrical data	09/03