

POSICONTROL

Fieldbus converters for linear and rotary encoders

Series

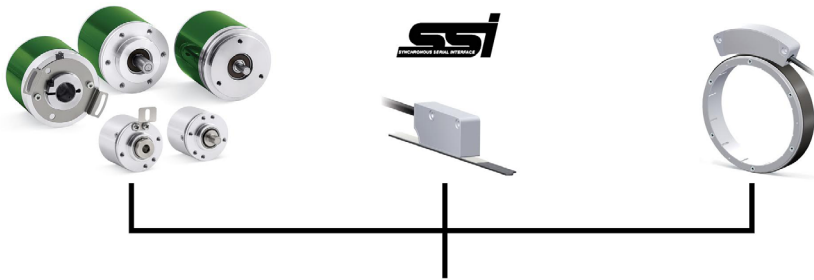
IF55



- SSI linear & rotary encoder gateway
- CANopen, Profibus & EtherCAT output
- All typical encoder functions available
- Position output
- IP65 protection
- DIN-rail snap-on installation possible



IF55



FUNCTIONS

Position output, scaling function, preset, offset, counting direction, diagnostics

ENVIRONMENTAL SPECIFICATIONS

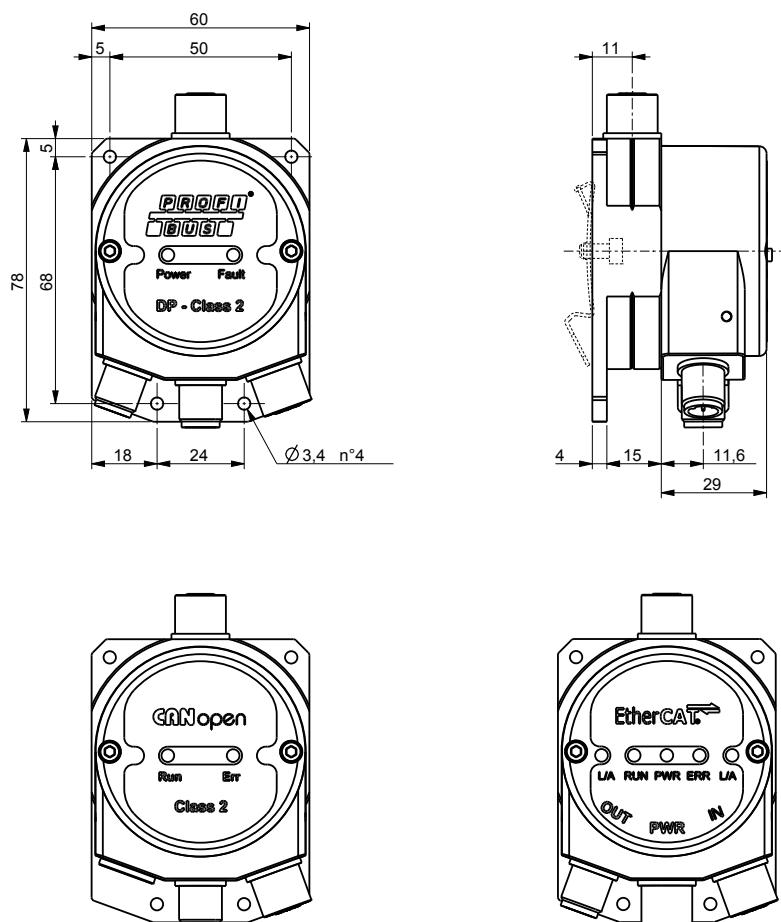
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|------------------------------|----------------------------|
| Operating temperature range: | -25°C +85°C (-13°F +185°F) |
| Storage temperature range: | -25°C +85°C (-13°F +185°F) |
| Protection: | IP65 |

MECHANICAL SPECIFICATIONS

| | |
|-------------------------|--|
| Dimensions: | see drawing |
| Electrical connections: | SSI input M12 8 pin connector Output M12 connectors according to bus specifications |
| Weight: | ~ 250 g |

ELECTRICAL SPECIFICATIONS

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|--------------------|--|
| Power supply: | +10Vdc +30Vdc |
| SSI input: | single turn: 18 bit max. multi turn: 16 x 16 bit, max. 30 bit linear sensors: 30 bit max., resolution 1µm ÷ 5000µm code: binary or gray, LSB or MSB aligned protocol, max. 32 clock |
| Output interfaces: | CANopen: device profile for encoders class 2 (DS301, DS406) Profibus: Profibus-DP slave class 1, class 2 EtherCAT: ETG.1000, CoE, FoE, EtherCAT state machine |



IF55

Order code

| | | |
|------|----------|-----------|
| IF55 | XXX Ⓐ | XX-X Ⓑ |
|------|----------|-----------|

| | |
|--|---|
| <p>Ⓐ INPUT ROT = rotary sensors LIN = linear sensors</p> | <p>Ⓑ OUTPUT PB = Profibus-DP with 3 x PG PB-C = Profibus-DP with 3 x M12 CB = CANopen with 2 x PG CB-C = CANopen with 2 x M12 EC = EtherCAT with 3 x M12</p> |
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