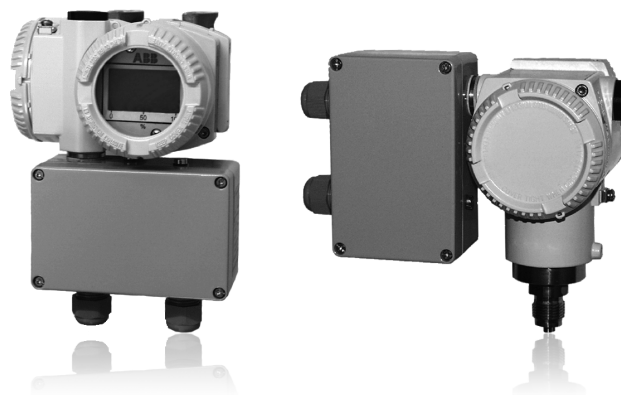


Four-Wire Add-On Unit for Pressure Transmitters for series 265xx / 267xx / 269xx



2-wire transmitter with integrated power supply

Output signal 0 ... 20 mA or 4 ... 20 mA

Power supply
— 24 V or 230 V

HART® communication at the transmitter
is also possible

The four-wire add-on unit for pressure transmitter of the series 265xx / 267xx / 269xx provides a power supply device that is built right onto the transmitter. This unit is equipped with a separator between power supply and output signal. This construction enables using the two-wire transmitter as a four-wire transmitter with the option of either 24 V or 230 V power supplies. Output signal can be selected: 0...20 mA or 4...20 mA. HART communication direct to the transmitter is possible. The add-on unit is mounted to the transmitter at the factory.

Technical data

Input

4...20 mA

Supply voltage

min. 14V at 20 mA

Output

0(4)...20 mA (selectable)

Characteristic

increasing, linear

Current limitation

approx. 25 mA

Maximum load

750 Ω

Ripple

max. 1 % v. input at max. load

Power supply

AC 230V (+6 % / -10 %):

47 ... 63 Hz;

max. power consumption: ≤ 6 VA

DC 24 V (18 ... 32 V):

Allowable ripple is 2.5 Vpp within above-mentioned limits;

max. power consumption: ≤ 3 W

Deviation from characteristics

max. 0.15 % v. input

Time constant t_{90}

max. 30 ms

Influence due to

Ambient temperature

$\leq 0.1\%$ / 10K

Load

$\leq 0.1\%$

when changing from 0 % to 100 %

Power supply

$\leq 0.1\%$ during a 10% change

Galvanic separation between

power supply and input

power supply and output

Insulation voltage according to DIN EN 61 010

AC 250 V

Pollution degree

2

Overvoltage category

II.

Test voltage

UC: 1.5 kV

AC: 2.3 kV

EMC tested according to

DIN EN 61 326

Ambient conditions

Operating temperature

-20 °C - +80 °C

Storage temperature

-50 °C - +85 °C

Condensation

allowed

Housing

Protection class

(DIN40040) IP54

Material

Cast aluminium,

epoxy resin coat

Dimensions H x W x D:

125 x 80 x 60 mm

Weight

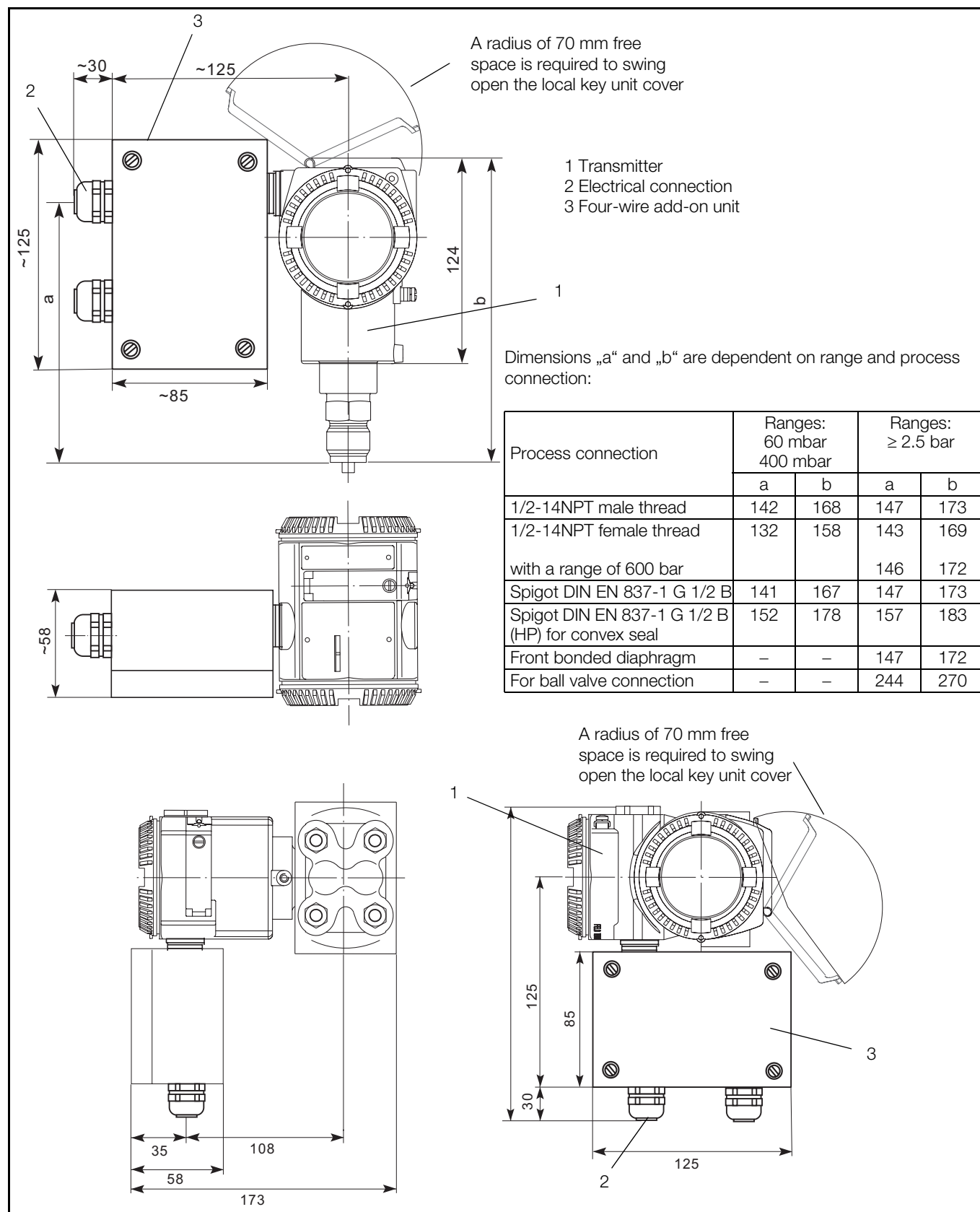
approx. 0.7 kg

Colour

RAL 7032,

Smooth surface

Dimensional drawings



Ordering Information

The following catalog numbers are appended to the catalog number of each respective transmitter. The transmitter 265xx / 267xx / 269xx fitted with the four-wire add-on unit must use the DIN housing with electr. connection M 20x1.5 (amplifier housing ordering code J). The transmitter 265Gx / Ax must use the barrel type housing with electr. connection M 20x1.5 (amplifier housing ordering code B)	Ordering number			Code		
Amplifier housing accessories						
Power supply / output signal						
DC 24 V / 0...20 mA				A4		
DC 24 V / 4...20 mA				A6		
AC 230 V / 0...20 mA				A5		
AC 230 V / 4...20 mA				A7		
Electrical connection of the add-on unit						
Threaded cable gland M 20 x 1.5						
Plug Han 8U (only with DC 24 V power supply) ¹⁾				U3		
Plug Han 7D (only with DC 24 V power supply) ¹⁾				U5		

¹⁾ Ordering code U3 or U5 requires the ordering option "plug" for the transmitter electronic housing.

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