KROHNE

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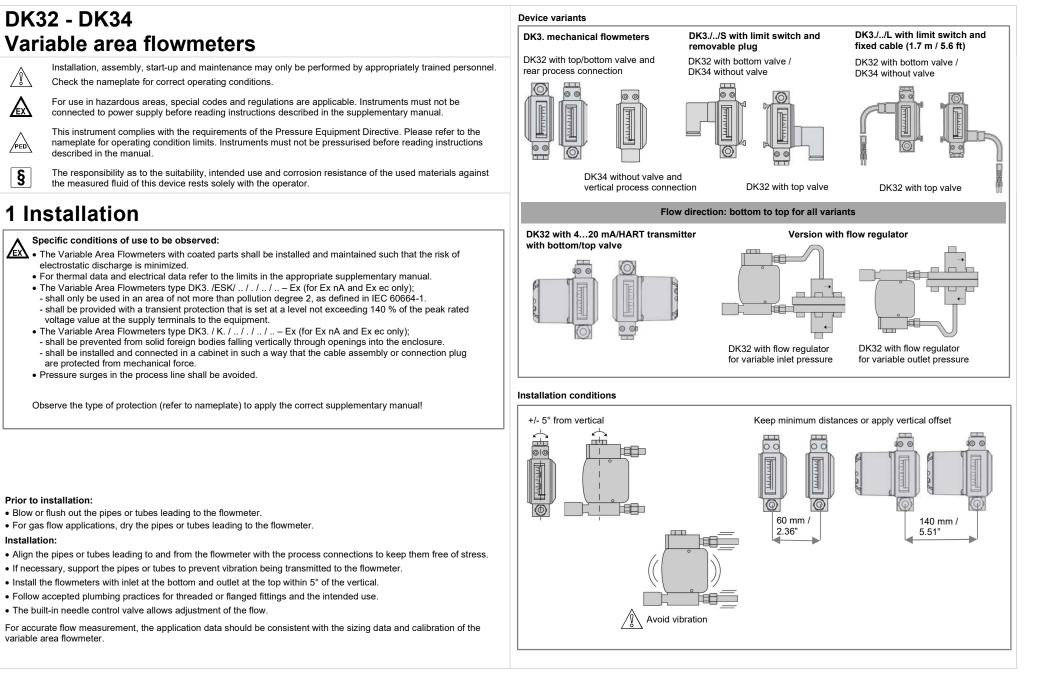
§

<u>EX</u>

Installation:

Quick Start

For initial set up, we strongly recommend that you also refer to the relevant manual!



KROHNE

2 Electrical connection

Danger: 14

All work on the electrical connections may only be carried out with the power disconnected. Take note of the voltage data on the nameplate. Observe the national regulations for electrical installations.

Electrical connection of limit switches

The electrical connection of the limit switches is made for - DK3./../S - in connection plug - DK3./../L - via a cable assembly Procedure for DK3./../S - Loosen the screw (1) of the connector plug.

- Pull out the plug.
- Remove the screw (1) completely from the plug.
- Insert a screwdriver in the marked opening (2) (lift) and remove the terminal block

REED limit switch R1

З

../S plug

Terminal

1

2

3

4

Switching capacity max. 30 VDC, max. 100 mA

Contact connections

Common

Unused

Normally open

Normally closed

2 0-

1 0-

../L cable

red

brown

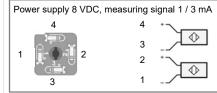
blue

-

Strand colour

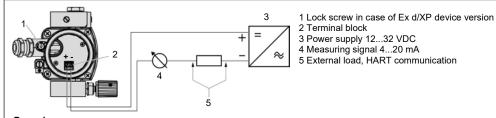
- Lead the connection cable through the cable gland.
- Insert the cable (max. 1.5 mm²) and tighten it.

NAMUR switches K1/K2



	/S plug	Contact connections	/L cable
	Terminal		Strand colour
	1	MIN minus	white
	2	MIN plus	yellow
	3	MAX minus	green
	4	MAX plus	brown

Electrical signal output ESK3x



Procedure

- Loosen the Ex d/XP lock screw (1) on the locking mechanism using an Allen key (WS3).

- Unscrew the cover.

- Connect the connecting cables to the device terminals in the terminal block (2) by ensuring the correct polarity. - Screw on the cover.
- Tighten the Ex d/XP lock screw on the locking mechanism using an Allen key (WS3).



For devices intended for use in hazardous areas with dust-resistant housing, the special conditions for sealing the electronic compartment and for the cable entry are available in the supplementary instructions.

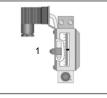
Settings of NAMUR limit switches K1/K2



Set the pointers to the desired limit values as a MIN contact (1) or MAX contact (2) along the scale.

If the pointer vane goes into the slot, an alarm is triggered. An alarm is also triggered in the event of a cable break or short circuit if a suitable amplifier is used.

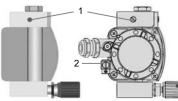
Settings of REED limit switch R1



- Loosen the nut (1).
- Set the REED cartridge to the desired value.
- Fix the nut (1).

The REED contact is actuated directly by the float magnet. The desired switching point can only be determined in measuring mode. A reference to the scale and/or pointer cannot be established.

Grounding connections



1 Fitting (M4 threaded hole) of measuring unit 2 Alternatively with ESK3x transmitter at the transmitter housing

Download documents and software

Scan the code on the nameplate or scan the following code and enter the serial number.



Contact

Select your country from the region / language selector to view your local KROHNE contact details on:

www.krohne.com