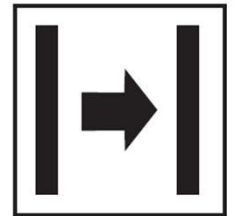


Application Note

Substitute

Series: VDB 12B/6.1N

Ultrasonic Double Sheet Testing Unit VDB 12B



Remarks:

The ultrasonic double sheet testing system consist of a VDB 12B ... analysis amplifier and a pair of DB 18 UP ultrasonic sensor.

If the original ultrasonic sensor DB 18 UP is damaged, please exchange the whole axis (transmitter and receiver).

Substitute model VDB 12B/6.1N

Leuze

– **OLD:**

- VDB 12B/6.1N (50107003)

– **NEW:**

- VDB 12B/6N (50104402) + KD U-M12-5A-V1-050 (50132079)

Substitute model overview

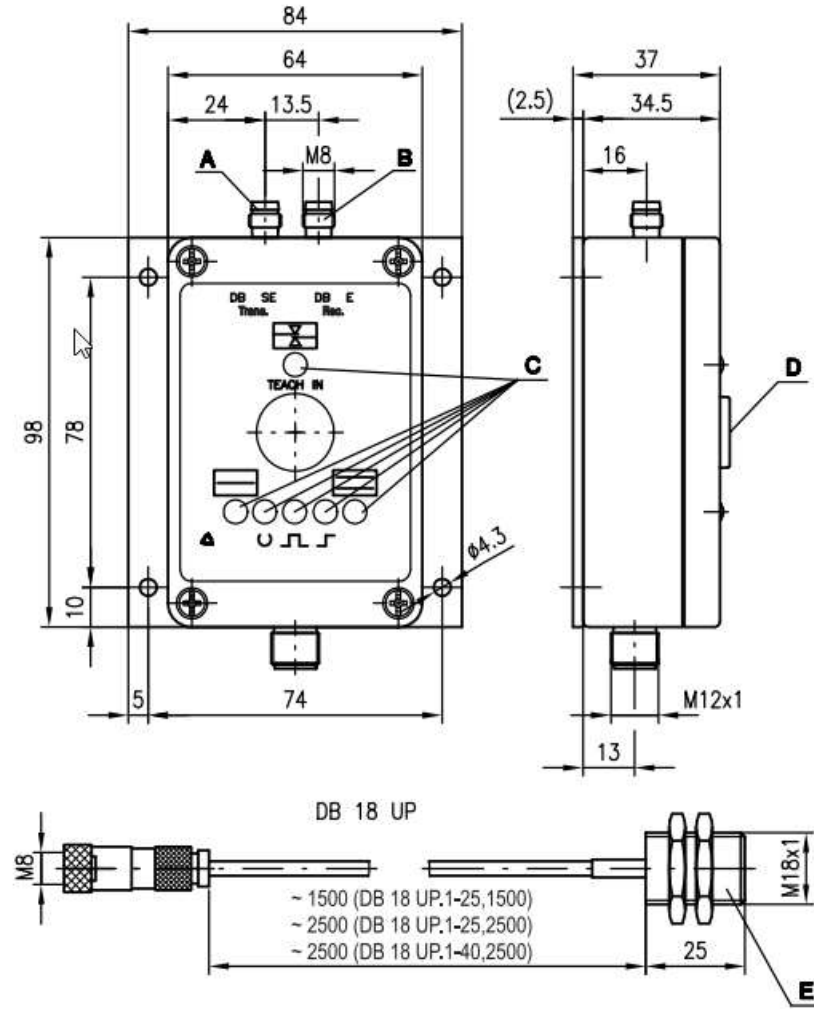
Article no.	Part description	Substitute part no.	Substitute description	Remark / note
50104403	VDB 12B/6.1N	50104402	VDB 12B/6N	VDB 12B/6.1N is the standard sensor with 8 Pin M12 connector. NOTE: the replacement only have a 5 pin M12 connector. That means the function / outputs Trigger in, Trigger out and Level OK are no longer available in the NPN version.
		+	+	
		50132079	KD U-M12-5A-V1-050	Connection cable 5 pins M12 (length 5m) Note: 2m, 3m, 5m, 10m, 15m, 25m, 30m available, too see http://www.leuze.com

– VDB 12B/6.1N (50104403) → VDB 12B/6N (50104402) + KD U-M12-5A-V1-050 (50132079)

Substitute model VDB 12B

Mechanical adaption

Housing is identical



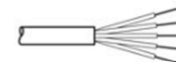
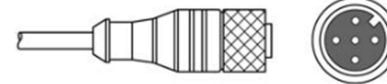
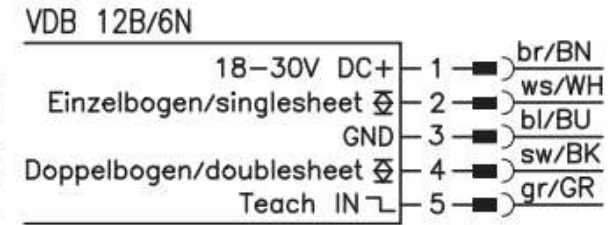
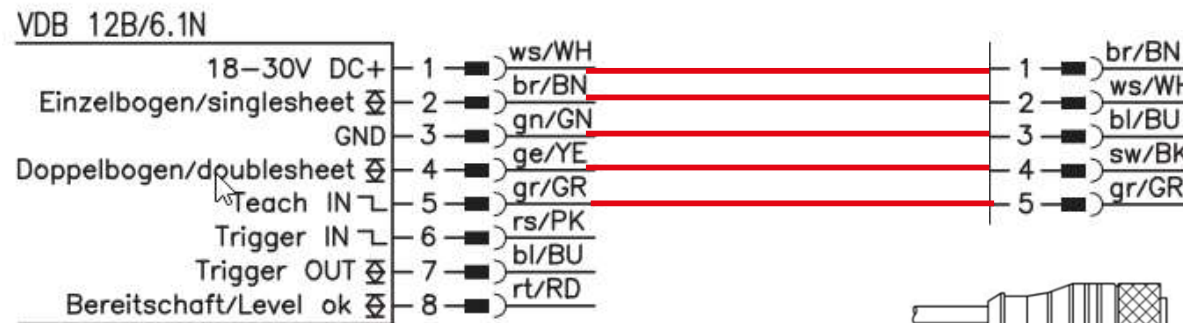
Note:
VDB 12B has to be combined with the ultrasonic transducer DB 18 UP....

Substitute model VDB 12B /6N

Electrical connection NPN OUTPUT

OLD
M12 – 8 pole

Substitute
M12 – 5 pole



➤ **connection cable: (M12 – 5 pin)**
50132079 KD U-M12-5A-V1-050

Note:

The application note should be read as a recommendation. Additional environmental influences occurring in the real applications must be taken into account before the integration.

Our application experts will assist you during commissioning.

Any questions?



Technical Hotline:

You can find the contact details of our hotline for your country on our webpage:

www.leuze.com under „Contact & Support“



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