ABB i-bus® EIB / KNX

Universal Interface, 12-fold, FM
US/U 12.2, 2CDG 110 065 R0011

The device has four channels, which can either be parameterized as inputs or outputs in the ETS program.

Using the colour-coded connecting cables, it is possible to connect conventional push buttons, floating contacts or light-emitting diodes.

The scanning voltage for the contacts and the supply voltage for the LED's are made available by the device.

Series resistors for external LED's are integrated in the device.
The Universal Interface is inserted in a conventional 60 mm combined wall and joint box.

The bus connection is carried out via the bus-connecting terminal supplied.

Technical data

Supply	– Operating voltage – Current consumption	21...30 V DC, via the bus 10 mA
Inputs and Outputs	– Number – Permitted cable length	12, can be separately parameterized as input or output $\leq$ 10 m
Input	– Polling voltage U_n – Sensing current I_n	20 V DC, pulsed 0.5 mA
Output	– Output voltage – Output current – Safety	3.3 V DC Max. 2 mA Short circuit proof, overload protection, reverse voltage protection
Operating and display elements	– LED (red) and push button	For assigning the physical address
Connections	– Inputs / Outputs – EIB / KNX	3 x 6 cables, approx. 30 cm long, can be extended to max. 10 m Via bus connecting terminal
Ambient temperature range	– Operation – Storage – Transport	– 5° C ... + 45° C – 25° C ... + 55° C – 25° C ... + 70° C
Type of protection	– IP 20 when installed	To EN 60 529
Protection class	– III	To DIN EN 61 140
Mounting	In switch box & 60mm	
Mounting position	As required	
Dimensions (& x H)	54 x 19 mm	
Weight	0.06 kg	
Housing, colour	Plastic housing, halogen free, colour: grey	
Approvals	EIB / KNX to EN 50 090-1, -2	
CE mark	In accordance with EMC guideline and low voltage guideline	

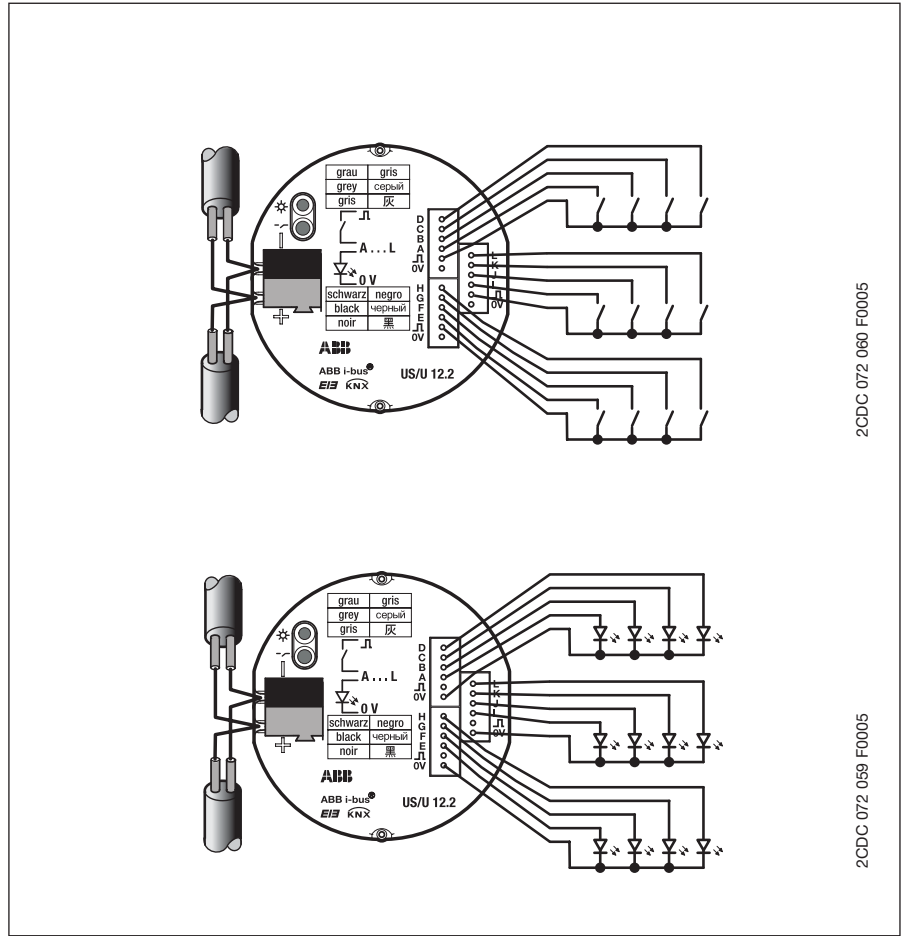| Application program	Max. number of communication objects	Max. number of group addresses	Max. number of associations
Binary Input Display Heat 12f/1	84	254	255

Note: The programming requires EIB Software Tool ETS2 V1.3a or higher.
If ETS3 is used a ".VD3" type file must be imported. The application program is available in the ETS2 / ETS3 at "ABB / Display and Visualisation / Input and Output"

Note: The device does not support the encoding function of the ETS.
If the access to the device is locked by using a "BC-password" (ETS2) or a "BCU-key" (ETS3) respectively, this will have no effect to this device. It can still be read out or programmed.

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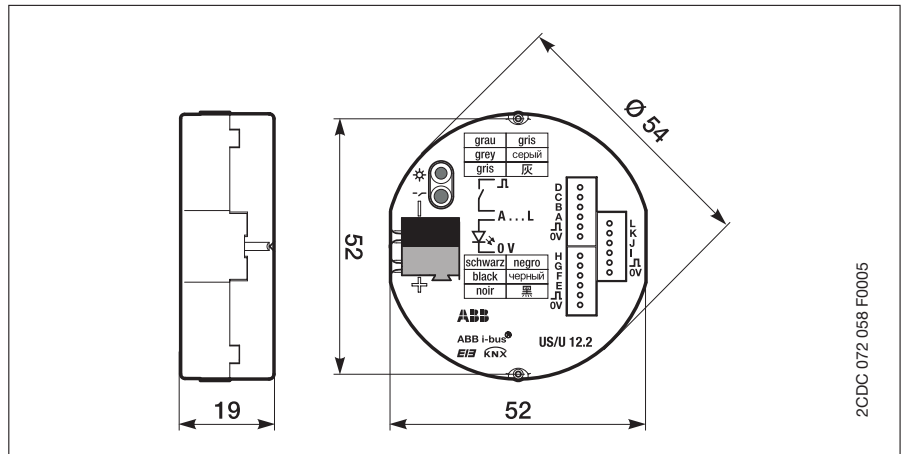
Circuit diagram

2CDC 072 060 F0005

2CDC 072 059 F0005

Dimension drawing

2CDC 072 058 F0005

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