Indicator Light

External Terminal Block

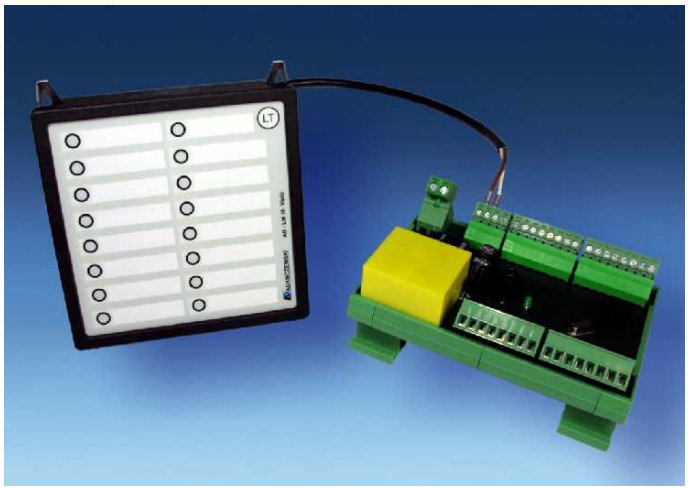
AD-AB 12 WG
AD-AB 24 WG
AD-AB 32 WG

Description

The detached connection block AD-AB 12/24/32 has been specially developed for the LMB Vario series of devices. The bus version of the Vario illuminated indicator has no input terminals and is therefore controllable exclusively via the RS485 bus. The detached connection block AD-AB 12/24/32 can be connected at this bus connection. This bus connection has active inputs, which are transmitted to the indicator light via its RS485 bus. With this, the Vario illuminated indicator can be configured via the configuring software ADStudio and behaves as if it had physical inputs. If the illuminated indicator is located in the control cabinet door or in the control centre, then the connection block can be easily mount on the hat rail in the control cabinet on site. The external connection block is available in three different variants. With 12, 24 and 32 inputs. The connection block has a short-circuit-proof supply voltage, with which contacts can also be supplied and therefore queried. Furthermore, an efficient switching power supply has been fitted, which works in a wide supply voltage range.

Application

Application in connection with the Vario bus illuminated indicators (AD-LMB 6, AD-LMB 12, AD-LMB 16). When messages are to be indicated spatially separated from the control cabinet, a substantial amount of wiring can be saved here.



Specific characteristics

- available with 12, 24 or 32 inputs
- RS485 Bus connection to the indicator lights
- Allpower supply
- short-circuit proof feeding voltage
- mouting on DIN rail

Business data

Order number

AD-AB 12	(12 Inputs)
AD-AB 24	(24 Inputs)
AD-AB 32	(32 Inputs)

Information

Downloads

Safety instructions	ad-safety-instructions.pdf

Technical specifications

Active inputs

Voltage range	5 ... 30 V DC
Input resistance	> 45 kOhm

Supply

Supply voltage	20 ... 253 V AC/DC
Max. power consumption	0,3W / 0,6VA

Feeding voltage for contacts

Voltage	4,8 ... 5,2 V DC
Strength	max. 1 mA

RS485 Bus

Cable length (screened)	max. 100 m (terminator is integrated)
Send interval input data	ca. 100 ms

Housing

Dimensions (WxHxD)	113x82x54 mm
Type of protection	IP 10
Connection method	terminal clamp / optionally detachable terminal clamp
Manner of fastening	DIN rail housing
Calmping torque- RM 5	0,5 Nm
Clamping torque- RM 3,81	0,25 Nm
Weight	150 g

Environmental conditions

Ambient temperature	-10 ... 50 °C
Storage and transport	-10 ... 70 °C (no condensation)

EMC

Product family standard	EN 61326-1
Emitted interference	EN 55011, CISPR11 Cl. B, Gr. 1

Electrical safety requirements

Product family standard	EN 61010-1

LEDs

Power- LED (green)	On: power supply OK Off: power supply error
Data- LED (yellow)	blinking: data connection OK On/Off: data connection error

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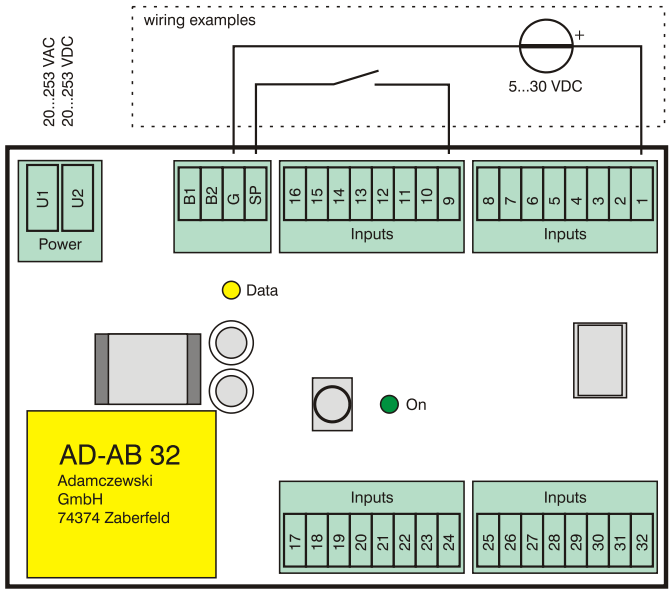
Technical specifications

Terminal assignment

Clamp	connection name
U1	supply voltage
U2	supply voltage
B1	RS485 Bus clamp B
B2	RS485 Bus clamp A
G	GND of the device
SP	Supply Voltage for contacts
1	input 1
2	input 2
3	input 3
4	input 4
5	input 5
6	input 6
7	input 7
8	input 8
9	input 9
10	input 10
11	input 11
12	input 12
13	input 13
14	input 14
15	input 15
16	input 16
17	input 17
18	input 18
19	input 19
20	input 20
21	input 21
22	input 22
23	input 23
24	input 24
25	input 25
26	input 26
27	input 27
28	input 28
29	input 29
30	input 30
31	input 31
32	input 32

Block and wiring diagram



Dimensions