

Indicator Light

AD-LM 16 Vario

AD-LMB 16 Vario

Description

The signal/fault indicator AD-LM 16 Vario, for mounting at the front of the control panel, informs with 16 multicolour leds about errors or operating conditions with glowing or blinking. Because of the multicolour leds, it's not necessary to change the leds for changing the colour. So it's very easy to change the technical appliance. The AD-LM 16 Vario can catch and save short pulses at the inputs, and for resetting its possible to connect external buttons. The device comes with 32 independent inputs which are easy to allot to one or more leds. Its possible to generate a colour- change by changing the input. A keypress on the touch key at the front of the device, generates a light test for all leds (all leds white). The AD-LM 16 Vario has a RS485 bus interface, which can used for the configuration over the AD- Studio (PC). All messages can be labelled with the aid of inserted strips (i.e. paper, foil etc.). This signal/fault indicator is also available with no physical inputs as a bus version (AD-16 Vario LMB). This can be controlled by the remote terminal block AD-AB 32 or by an external master.

Application

Indicate signal/fault status of machines or plants.



Specific characteristics

- detachable terminal clamps
- multicolour leds
- configuration by PC
- 32 independent inputs
- short-circuit proof feeding voltage
- external terminal-block for hat rail available

Business data

Order number

AD-LM 16 Vario standard version with physical inputs
AD-LMB 16 Vario bus- version without physical inputs

Accessory

AD-AB 12/24/32 terminal block for hat rail available
with up to 32 inputs (only adaptable
with the bus version) see: Datasheet
AD-AB 12/24/32

Technical specifications

Active inputs

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

Supply

Voltage range AC 20 ... 253 V AC, 50/60 Hz
Voltage range DC 20 ... 253 V DC
Nominal voltage AC / DC 230 V AC / 24 V
Power consumption AC / DC 4,0 VA / 1,9 W

Feeding voltage for contacts

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

Relay

Max. load AC 250 V / 2 A (cos phi = 1)
Max. load DC 50 V / 0,5 A (resistive load)
Cycles AC- load ca. 100000 (cos phi = 1)
Cycles DC- load ca. 100000 (resistive load)

Housing

Dimensions (WxHxD) 96x96x71 mm
Front panel cut out 92x92 mm
Protection class panel IP 54
Protection class connection IP 20
Connection method detachable terminal clamp
Manner of fastening Panel-mount-case
Weight 305 g

Environmental conditions

Ambient temperature 0 ... 50 °C
Storage and transport -10 ... 70 °C (no condensation)

EMC

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

Electrical safety requirements

Product family standard EN 61010-1

RS485- Bus

Max. attendance 32
Max. length of bus 100 m
Bus termination 120 Ohm (both sites of the bus)
Wiring bus topology



ADAMCZEWSKI
Elektronische Messtechnik GmbH

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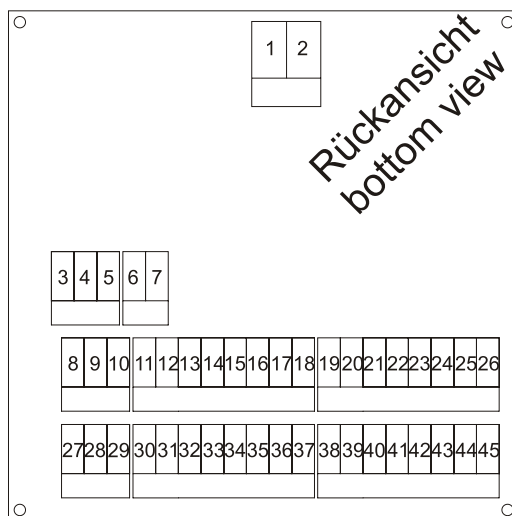
AD-LMB 16 Vario

Technical specifications

Terminal assignment

Clamp	connection name		
1	supply voltage	22	input 12
2	supply voltage	23	input 13
3	ground	24	input 14
4	ground	25	input 15
5	ground	26	input 16
6	RS485 A	27	relay NO
7	RS485 B	28	relay COM
8	contact supply	29	relay NC
9	contact supply	30	input 17
10	input for light test	31	input 18
11	input 1	32	input 19
12	input 2	33	input 20
13	input 3	34	input 21
14	input 4	35	input 22
15	input 5	36	input 23
16	input 6	37	input 24
17	input 7	38	input 25
18	input 8	39	input 26
19	input 9	40	input 27
20	input 10	41	input 28
21	input 11	42	input 29
		43	input 30
		44	input 31
		45	input 32

Block and wiring diagram



Dimensions

