

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 (ohmic load)
Cycles AC- load ca. 100000 (cos phi = 1)
Cycles DC- load ca. 100000 (ohmic 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 thawing)

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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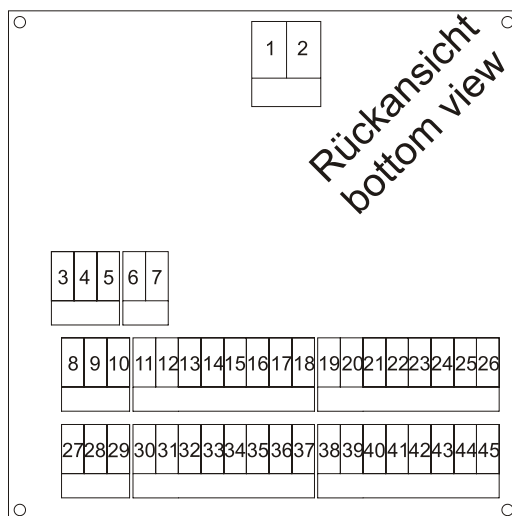
Technical specifications

Terminal assignment

Clamp	connection name	
1	supply voltage	22
2	supply voltage	23
3	ground	24
4	ground	25
5	ground	26
6	RS485 A	27
7	RS485 B	28
8	contact supply	29
9	contact supply	30
10	input for light test	31
11	input 1	32
12	input 2	33
13	input 3	34
14	input 4	35
15	input 5	36
16	input 6	37
17	input 7	38
18	input 8	39
19	input 9	40
20	input 10	41
21	input 11	42
		43
		44
		45

input 12
input 13
input 14
input 15
input 16
relay NO
relay COM
relay NC
input 17
input 18
input 19
input 20
input 21
input 22
input 23
input 24
input 25
input 26
input 27
input 28
input 29
input 30
input 31
input 32

Block and wiring diagram



Dimensions

