

Indicator Light

AD-LM 16 FE-Vario

AD-LMB 16 FE-Vario

Description

The signal/fault indicator AD-LM 16 FE-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 FE-Vario standard version with physical inputs
AD-LMB 16 FE-Vario bus- version without physical inputs

Accessory

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

Information

Downloads

Instruction manual	man-lmvario-ad-de.pdf
	
Configuration help	sman-lmvario-ad-en.pdf
	
Labelling template	lm16vario-beschriftung.pdf
Tender text	lm16vario.zip
Tender text	lmb16vario.zip

Technical specifications

Active inputs

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

Supply

Voltage range AC	50 ... 253 V AC, 50/60 Hz
Voltage range DC	22 ... 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
Terminals, wire cross section	1,0 mm ² Strand with wire end ferrule / 1,5 mm ² one wire
Manner of fastening	Panel-mount-case
Weight	305 g

Environmental conditions

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



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Printed 21.08.2024 We reserve the right for technical changes.

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Technical specifications

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
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RS485- Bus

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

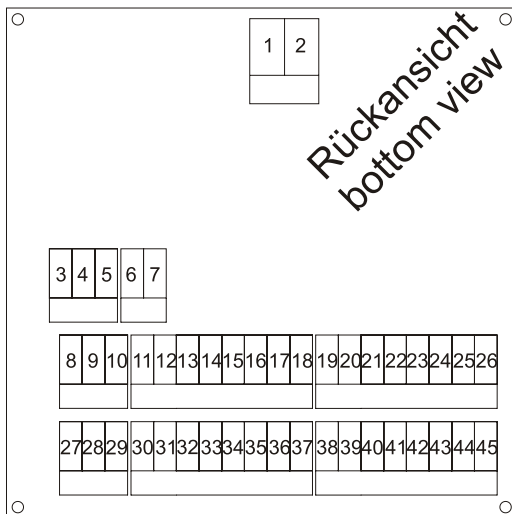
Terminal assignment

Clamp	connection name
1	supply voltage
2	supply voltage
3	ground
4	ground
5	ground
6	RS485 A
7	RS485 B
8	contact supply
9	contact supply
10	input for light test
11	input 1
12	input 2
13	input 3
14	input 4
15	input 5
16	input 6
17	input 7
18	input 8
19	input 9
20	input 10
21	input 11

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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

