

Bargraph Indicator DLB 96/24



Inputs

- Direct current
- Direct voltage
- Resistance thermometer

Zero adjustable

Final values separately adjustable

Bar/strip display

Limit value function

Green/red changeover

Technical data

Display

Numeric display
 3-digit LED, red or green, 6.4 mm numeral height

Numeric range
 -99...999 (digital)

Light strip
 20 LEDs red or green

Bar
 Resolderable: Strip / bar

Adjustment limits
 Lower range + 25 %, upper-range value 20...100 % of the display range

Overflow/underflow
 „EEE“ or „--“ displayed respectively

Measurement cycle
 4 × / s

Error limits
 Digital ± 0.5 % of measured value + 2 digits, analog ± 1 segment

Input

Current, voltage
 0.2...500 mA DC
 0.1...60 V DC

Input resistance
 100 Ω at 20 mA, > 1 MΩ at 2 V

Pt 100 (3-wire circuit)
 -99...200 °C; Linearity: 1 % upper-range value

Limit value (optional)

1 × relay output
 Change-over contact, AC 100 V 0.5 A / DC 24 V 1 A

2 × relay output
 (only in conjunction with colour control option)

Colour control of light strip (optional)
 Green, switched over to red after MAX. limit value is overranged or MIN limit value is underranged (slight color variations may occur here in the segments)

Power supply

Universal voltage
 100...250 V AC / 125...230 V DC 3 VA

Universal voltage (optional)
 18...32 V DC
 19.2...26.4 V AC

Environmental conditions

Operating temperature
 0...50 °C

Storage temperature
 -40...+75 °C

Relative humidity
 75 % as an annual average, no condensation

Case

Dimensions (W x H x D)
 96 mm × 24 mm × 135 mm

Panel cutout
 92.5 mm × 21.5 mm

Material
 Plastic, self-quenching

Protection class
 Case IP 50, terminals IP 20

Weight
 approx. 0.1 kg

Means of connection
 Plug-in screw terminals 1.5 mm²

Standards

EMC, safety engineering
 EN 50 082-1, EN 60 010-1

Terminal layout			
1 Measurement input(+)	4 MAX relays (shared)	7 MIN relays (shared)	10 Free
1 Measurement input(-)	5 MAX relays (closed))	8 MIN relays (closed)	11 Power supply N (-)
3 Pt 100	6 MAX relays (open)	9 MIN relays (open)	12 Power supply L (+)

Codes for units											
Unit	No.	Unit	No.	Unit	No.	Unit	No.	Unit	No.	Unit	No.
None	00	kW	06	A	12	MN	18	m ³	24	N	30
V	01	MW	07	mA	13	%	19	g	25	bar	31
mV	02	Ω	08	μA	14	‰	20	kg	26	m/min.	32
kV	03	mΩ	09	°C	15	cm	21	t	27	U/min	33
mW	04	kΩ	10	°>	16	mm	22	m ³ /h	28	δ	34
W	05	MΩ	11	kn	17	m	23	pH	29	mbar	35
										ppm	36
										K	37
										l/h	38
										t/h	39
										Hz	40

Ordering informations										
				Catalog No			Code			
Light-strip Indicator DLB 96/24				V33132A-						
Measurement inputs										
0...10 V DC				1						
0...20 mA DC				2						
4...20 mA DC				3						
Pt 100 (3-wire circuit)				4						
other (state code no. 326)				0						
Display										
red				1						
green				2						
green/red (color control)				3						
Decimal point										
none				0						
9.99				1						
99.9				2						
Limit values (relay)										
none				0						
Max. relay				1						
Min. and Max. relay (as additional extra only with green/red color control)				2						
Power supply										
85...250 V AC / 100...250 V DC				1						
20...26 V AC / 18...32 V DC				2						
Mounting orientation										
horizontal				1						
vertical				2						
Bezel										
black				0						
grey (RAL 7037)				1						
Additional ordering informations										
non-standard measuring range				(clear text)			326			
digital indicator different from measuring range				(clear text)			361			
Scale (strip indicator) 0...100							340			
as specified				(clear text)			ZEM			
Unit as shown in table				(clear text)			368			
Unis as specified							369			

Contact us

ABB Ltd.

Process Automation

Howard Road, St. Neots
Cambridgeshire, PE19 8EU
UK

Phone: +44 (0)1480 475321

Fax: +44 (0)1480 217948

ABB Inc.

Process Automation

125 E. County Line Road
Warminster PA 18974
USA

Phone: +1 215 674 6000

Fax: +1 215 674 7183

ABB Automation Products GmbH

Process Automation

Borsigstr. 2
63755 Alzenau
Germany

Phone: +49 551 905-534

Fax: +49 551 905-555

www.abb.com

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