Type: DBA-ZA43/A

DC current/voltage

case 144 x 48 mm

programming mode

code number			display left / right	description
	1	2	999 999	
SCALE left/bottom	0		_17 5 -20 0	min display value positive [ ] negative [-]
	1			min. input signal to be applied take over with T3
	2		300	max. display value
	3		---	max. input signal to be applied take over with T3
	4		020	average value of 1-500 measurements
	5		10	half correction of last digit by steps of 2, 5, 10
	6		__1	reciprocal indication value 0 = no 1 = yes
			_1_	line break indication with value falling 25% below measured (20mA) 0 = no 1 = yes
SCALE right/top	0		_ 175 - 200	min display value positive [ ] negative [-]
	1			min. input signal to be applied take over with T3
	2		300	max. display value
	3		---	max. input signal to be applied take over with T3
	4		020	average value of 1-500 measurements
	5		10	half correction of last digit by steps of 2, 5, 10
	6		__1	reciprocal indication value 0 = no 1 = yes
			_1_	line break indication with value falling 25% below measured (20mA) 0 = no 1 = yes

The most negative value which could be displayed is ≦[-199].

Display values that oversteps the display range will only shown in the lightbars.

display messages

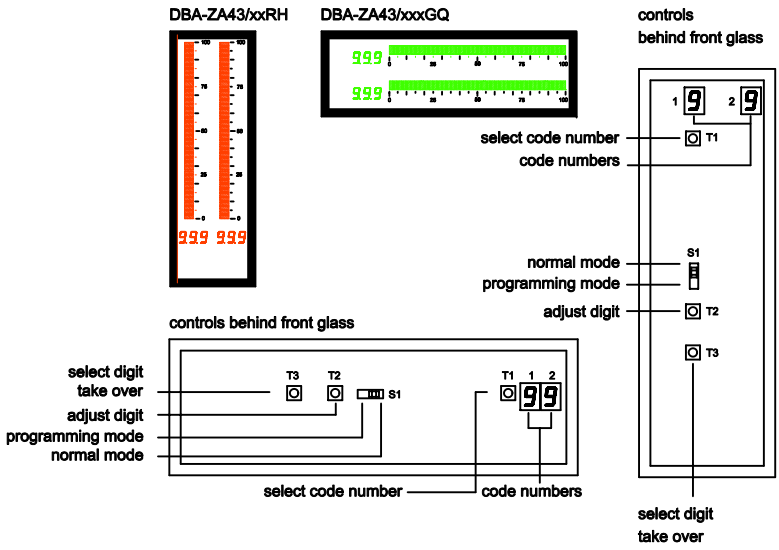
		lightbar
EEP	EEprom under programming	
----	overflow (segments in the middle are flashing)	
-||-	line break indicator	

technical data

aux. supply:	DBA-ZA43/A1xxx:	18-35V DC
	DBA-ZA43/A2xxx:	115/230V AC
power consumtion:		
measuring range voltage:	2V / 10V / 40V / 200V	
measuring range current:	20mA / 200mA	
display max. :	programmable	
display zero:	programmable	
conversion rate:	approx. 1 per second	
principle of measurement:	Dual-Slope-Integration	
error of measuement:	+/- 0,1% of measuring value	+/- 1 digit/segment
overflow:	flashing of display segments in the middle	
	and each 2. bargraph segment	
avarage value:	adjustable from 1-500 measurements	

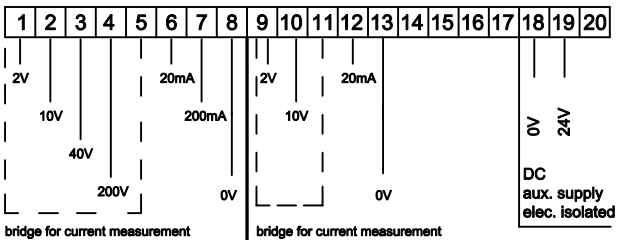
DBA – ZA__ / A_ _0_ _ [M] – addition for min. /max. memory function

mounting:	H = vertical	Q = horizontal
LED colour:	R = red	G = green
options:	look at the end of chapter	
aux. supply	1 = 24V DC	2 = 115/230VAC
display:	43 = 40 degments + 3 digits	



rear connector with screw-type terminals

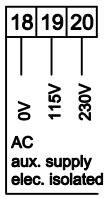
DBA-ZAxx/A1



input resistance

terminal	Ri
1 + 9	100 kOhm
2 + 10	560 kOhm
3	2,2 MOhm
4	12 MOhm
6 + 12	100 Ohm
7	10 Ohm

DBA-ZAxx/A2



7-seg.	digit height:	7 mm 3-digits
	resolution:	-199....999
skale	scale lenght:	100 mm 40 segments
	resolution:	1 segment
end value of scale is according to adjusted max. display		
panel cutout:	138(+1,0) x 45(+0,3) mm	
mount.depth (without plug):	114 mm (102 mm)	
bezel height:	8,5 mm	
option:	Min.-Max.-Memory function	
	controls are accessible through the front glass	
	recall min.- and max.- value with key.	

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