

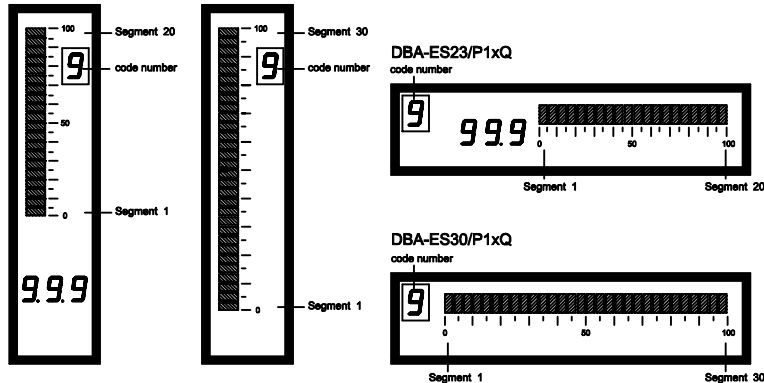
Type: DBA-ESxx/P1xx Profibus L2DP



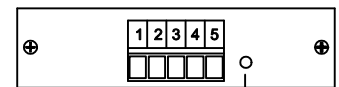
case 96 x 24 mm

DBA-ES23/P1xH

DBA-ES30/P1xH



rear view



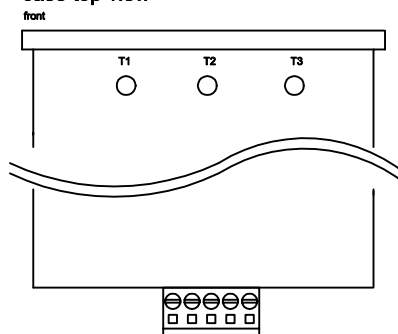
Data Exchange Mode

programming

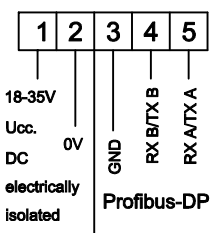
CN = code number

..ES23..		..ES30..		description
CN	display	KZ	light-bar	
0	0 0 0 1 2 7			address 1. device 128. device select digit with T2 adjust digit with T1
1	0 1			code BCD ASCII (only DBA-ES23)
		0	■■■■■■	the adress results in before adjusting adress-figures (CN 0 to 2)
		1	■■■■■■	adress-figure 10 ² (valence 0 - 1)
		2	■■■■■■	adress-figure 10 ¹ (valence 0 - 9)
			■■■■■■	adress-figure 10 ⁰ (valence 0 - 9)
	EEP		■■■■■■	data will saved, after that device changes back to standard mode

case top view



rear connector with
scrw-type terminals



technical data

power supply:	18 - 35 VDC
power consumption:	max. 1,8 VA
temperature range:	0 ... 50 °C
scale length: DBA-ES23:	50 mm 20 segments
DBA-ES30:	75 mm 30 segments
baud-rate (self-acting recognition):	≤ 12MBAud
adresse (0 ... 127):	adjustable with keys on top-side
protocol:	Profibus-DP
hardware:	SPC3 busside electrically isolated
panel cutout:	92(+0,8) x 22,2(+0,6) mm
bezel height:	7,5 mm
mounting depth:	91 mm

telegram structure ASCII

Byte	only DBA-ES23	ASCII
1.	Segment 1-8	binär
2.	Segment 9-16	binär
3.	Segment 17-20	binär
4.	Digit 1 $\approx 10^0$	3xH
5.	Digit 2 $\approx 10^1$	3xH
6.	Digit 3 $\approx 10^2$	3xH
7.		
8.	free	

comma at every position insertable

telegram structure BCD

Byte	function DBA-ES30	function DBA-ES23
1.	Segment 1-8	Segment 1-8
2.	Segment 9-16	Segment 9-16
3.	Segment 17-20	Segment 17-20
4.	Digit 1 $\approx 10^0$	Digit 1 $\approx 10^0$
5.	Digit 2 $\approx 10^1$	Digit 2 $\approx 10^1$
6.	Digit 3 $\approx 10^2$	Digit 3 $\approx 10^2$
7.	free	free
8.	free	free

character format

Hex	20	2C	2D	2E	30	31	32	33	34	35	36	37	38	39	3D	41	43	45	46	48	4C	50	55	5D	5F	62	63	64	68	6E	6F	72	75	78	7E
Digit	.	-	0	1	2	3	4	5	6	7	8	9	=	A	C	E	F	H	L	P	U	]	_	b	c	d	h	n	o	r	u	□	+		

unknown sign

DBA	-	ES	-	/	P	1	-	
mounting:								
display colour:								
aux. supply:								
input:								
display:								
H = vertical								
R = red								
1 = 24 VDC								
P = Profibus L2DP								
23 = 20 segments + 3-st. LED								
30 = 30 segments								

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