

DA08-NSxx/X1x DA10-NSxx/X1x

Digital panel instruments for interface-control

Digital displays for monitoring and control with ProfiBus or serial interface

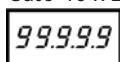


- ProfiBus L2DP
- Serial interface
- LED-displays red or green
- 3 - 5-digit displays

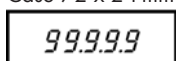
DA08 = Digit height 7.62 mm
DA10 = Digit height 10.0 mm



DA08/DA10-NSxx/X1x
Case 48 x 24 mm



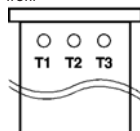
DA08/DA10-NSxx/X1x-7
Case 72 x 24 mm



DA08/DA10-NSxx/X1x-4
Case 48 x 48 mm



Case - topside
front



Technical Data

Type	DA08-NS50/P1x DA10-NS50/P1x	DA08-NSxx/X1x DA10-NSxx/X1x
Input	ProfiBus L2DP	Serial interface
Panel cut-out (mm)		
DA08/DA10-NSxx/X1x	45(+0.6) x 22.2(+0.3) mm	45(+0.6) x 22.2(+0.3) mm
DA08/DA10-NSxx/X1x-7	68(+0.7) x 22.2(+0.3) mm	68(+0.7) x 22.2(+0.3) mm
DA08/DA10-NSxx/X1x-4	45(+0.6) x 45.0(+0.6) mm	45(+0.6) x 45.0(+0.6) mm
Front frame height (mm)	5.25	5.25
Mounting depth (mm)	91	120
Auxiliary supply	18 - 35 V DC	18 - 35 V DC
Display/ digit height (mm) DA08	7.62	7.62
Display/ digit height (mm) DA10	10.0	10.0
LED-display colour	Red or green	Red or green
Power consumption	Max. 1.8 VA	Max. 1.5 VA
Temperature range	0°C ...+50°C	-20°C ...+65°C
Parallel connection	- - -	Max.32 devices
Baud rate (autom.recognition)	≤12M Baud	- - -
Address (0 ...127)	Adjustable on the top of case	- - -
Protocol	Profibus-DP	- - -
Hardware	SPC 3 Feldbus side galvanic insulated	- - -

Specification Profibus

Telegram setup ASCII

Byte	Description	ASCII
1.	Digit 1 $\triangle 10^0$	3xH
2.	Digit 2 $\triangle 10^1$	3xH
3.	Digit 3 $\triangle 10^2$	3xH
4.	Digit 4 $\triangle 10^3$	3xH
5.	Digit 5 $\triangle 10^4$	3xH

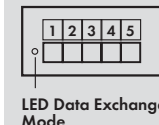
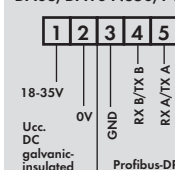
Comma to be inserted anywhere

Telegram setup BCD

Byte	Function	
1.	10^1	10^0
2.	10^2	10^1
3.	free	10^2
4.	free	free
5.	free	free
6.	free	Comma
		Display
	00001	00000
	00010	000,00
	00100	00,000
	01000	0,0000

Pluggable screw terminal for ProfiBus

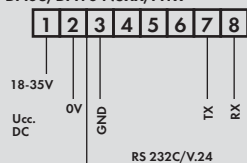
DA08/DA10-NS50/P1x



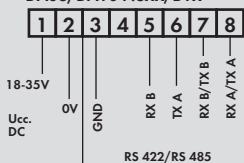
Specification serial interface

Pluggable screw terminal

DA08/DA10-NSxx/A1x



DA08/DA10-NSxx/B1x



Telegram construction ASCII

Function	ASCII	Description
Segment test	\$0	Segment test on (up to the next telegram)
Leading zeros	\$1	Indication of leading zeros
Flashing sign	\$3"28"	"28" is flashing
Flashing display	\$4	Flashing on
	\$5	Flashing off
Direction of writing	\$6	Left → Right
	\$7	Right → Left

Number of digits serial interface

DA08/DA10-NS30/X1x:	888
DA08/DA10-NS40/X1x:	8888
DA08-NS50/X1x:	88888

Sign rate

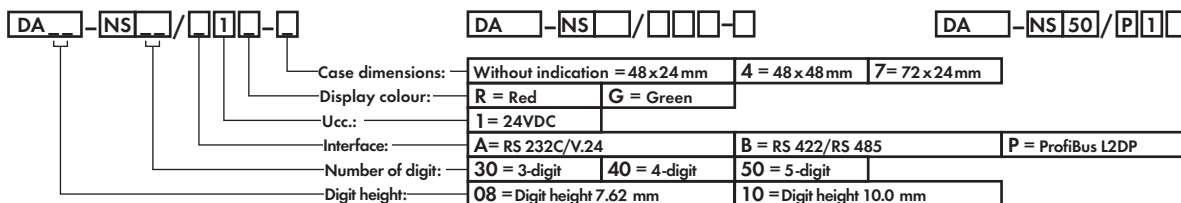
Hex	20	2C	2D	2E	30	31	32	33	34	35	36	37	38	39	3D	41	43	45	46	48	4C	50	55	5D	5F	62	63	64	68	6E	6F	72	75	78	7E
Digit	.	.	.	0	1	2	3	4	5	6	7	8	9	=	[E	F	K	L	P	U]	B	C	D	H	N	O	R	V	0	+	=		

unknown sign

Ordering example

- 08 - Digit height 7.62 mm
- NS - ProfiBus or serial
- 50 - Display with 5 digit
- P - ProfiBus
- 1 - Ucc. 24 V DC
- R - Display colour red
- 4 - Case 48 x 48 mm

= DA08-NS50/P1R-4



At DA08-NS50/DA10-NS50 (Profibus): Display only available with 5-digits