

Alphanumerical Displays

Series AL



- ⇒ any amount of characters and lines
- ⇒ single- and double-sided construction
- ⇒ simple configuration

GENERAL

The alphanumerical displays of the series AL are mainly used where fast communication is required between persons or between persons and machines. Texts can be changed very easily and flexibly.

For almost all character sizes we have got modules which can be adjusted to special situations. The character sizes range from 18 mm up to very big letters of more than 1.000 mm.

We can deliver the alphanumerical displays for indoor as well as outdoor usage. The outdoor applications meet higher temperature requirements and their housings must be weatherproof.

The alphanumerical displays of the series AL exist in LED or in LCD technique.

Due to their modular construction, the alphanumerical displays can be delivered with almost every number of characters and lines. If you have got a homogeneous LED area you also can display moving texts and standing graphics.

All alphanumerical displays can be delivered single- or double-sided. According to customer wishes we can offer special solutions.

As our displays can be controlled via all standard interfaces, we are able to offer the appropriate solution for almost every application.

APPLICATION FIELDS

Our alphanumerical displays of the series AL can be used for example in the following applications:

- Co-worker information
- Messages and guiding system
- Order picking display
- Clear text information
- Message display
- Information and welcome display
- Schedule information

TECHNIQUE

You can get alphanumerical displays of the series AL in LED and in LCD technique. The character sizes range from 18 mm up to more than 1.000 mm.

The displays can be delivered single- or multi-coloured for indoor as well as outdoor purposes.

Hereby the outdoor displays are perfectly readable even in direct sunshine. The LEDs have a wide viewing angle of approx. 110° in horizontal and approx. 55° in vertical direction. All of them are equipped with an automatic brightness control according to the daylight.

Mains supply: 230 VAC or 380 VAC according to the size of the display.

Concerning the LCD technique, we differentiate between the transfective and the reflective version of the LCD glasses. The reflective version does not need any backlighting; however you cannot read anything in the dark. The transfective version of the LCD glasses is backlit so that you can read it perfectly also in the dark.

LED technique

We have got the following modules:

Module designation	Character size in [mm]	Pixel spacing in [mm]
Z 36	18 or 36	2,54
Z 75	30 or 75	4,70
Z 120	50 or 120	7,62
Z 160	70 or 160	10,00
Z 240	100 or 240	15,24
Z 365	180 or 365	22,86

Other character sizes can be realized by the appropriate configuration of the standard modules.

Example: With the module Z 36 you can realize the following character sizes:
18 mm at a font with 7 lines and 1 blank line (5x7-matrix)
36 mm at a font with 14 lines and 2 blank lines (10x14-matrix)

Font types: standard font (every character has the same width)
proportional font

Colour of LEDs: for indoor usage: red, green, yellow
for outdoor usage: red, green, yellow, blue, white

Viewing angle: 110° horizontal, 55° vertical

LCD technique

The LCD technique is usable for indoor as well as outdoor purposes. The LCD displays are also readable in direct sunshine. The viewing angle is nearly endless.

Font types: 38-segment font
88-segment font
matrix display in standard font (every character has the same width)
matrix display in proportional font

Module designation	Character size in [mm]	Representable characters
38-segment	22, 60, 120, 160, 250	all capital letters, all numbers and some special characters
88-segment	60, 120, 160	all capital and small letters, all numbers, all special characters and umlauts
matrix LCD 60	30 and 60	all
matrix LCD 120	30 and 60 and 120	all
matrix LCD 240	120 and 240	all

Example: With the module matrix LCD 60 we can realize the following character sizes:
30 mm at a font with 7 lines and 1 blank line (5x7-matrix)
60 mm at a font with 14 lines and 2 blank lines (10x14-matrix)

Character colours: yellow font on a dark background
white font on a blue background

Module technique: transflective (with backlighting of the LCD glasses)
reflective (without backlighting, because of utilisation of the surrounding light)

Font types: standard font (every character has the same width)
proportional font

38-Segment Font

The 38-segment font is used for alphanumerical purposes. All numbers, all capital letters and some special characters are represented. Due to the printed letter quality this font has an excellent legibility.



Standard character size: 22, 60, 120, 160, 250 mm
other character sizes on request

Characters colours: yellow font on a dark background
white font on a blue background

Module technique: transfective (with backlighting of the LCD glasses)
reflective (without backlighting, because of utilisation of the surrounding light)

Character Set: all numbers 0-9, all capital letters, some special characters,

Viewing angle: 140 °

We can produce as long lines as you wish and any number of lines one after the other. The number of characters per line depends on the number of characters per LCD glass. This differs according to the character size.

88-Segment Font

The 88-segment font is used for alphanumerical purposes. All numbers, all capital and small letters, all special characters as well as all umlauts are represented.



Standard character size: 60, 120, 160 mm
other character sizes on request

Character colours: yellow font on a dark background
white font on a blue background

Module technique: transflective (with backlighting of the LCD glasses)
reflective (without backlighting, because of utilisation of the surrounding light)

Character Set: all numbers 0-9, all capital and small letters, all special characters, all umlauts

Viewing angle: 140 °

We can produce as long lines as you wish and any number of lines one after the other. The number of characters per line depends on the number of characters per LCD glass. This differs according to the character size.

INTERFACES

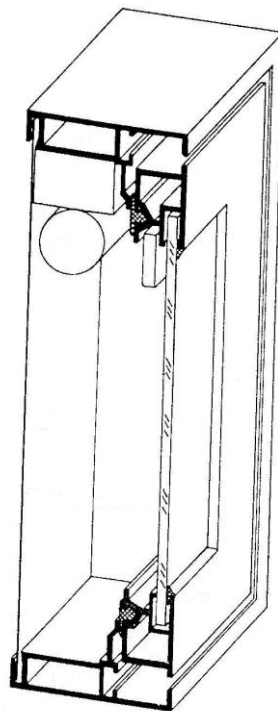
- 0/4..20 mA
- 0..10 V
- RS 232 or RS 485
- Current Loop 20 mA
- Binary code
- BCD code
- Pulse input (potential-free or active)
- Counting input
- Profibus
- Ethernet (TCP/IP)
- Radio frequency with 433,70 MHz
- GSM

Adjustment to several other protocols are possible at any time.

THE HOUSINGS

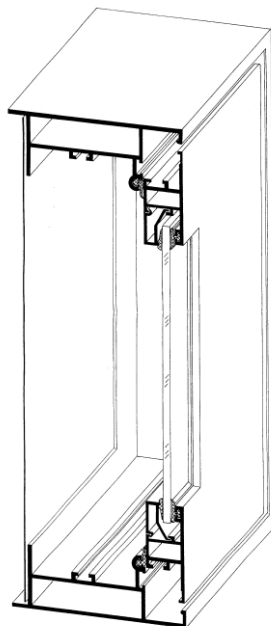
Housing of the Series D060

construction	1-or 2-sided
application field	indoor and outdoor As the housing has a forced ventilation, under normal conditions there is no condensation inside the housing.
depth:	60 mm
housing material:	double section aluminium profile
housing colour:	standard: silver anodized, seawater-resistant aluminium alloy option: all RAL-colours deliverable
open the housing:	front panel to be unscrewed
usage:	for some LED displays and for reflective LCD displays

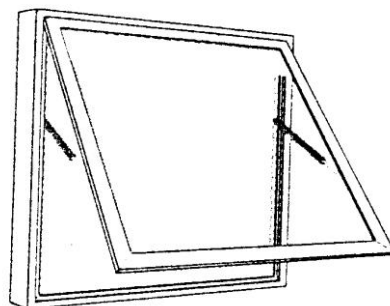


Housing of the Series D120

construction:	1- or 2-sided
application field:	indoor and outdoor weatherproof and especially suitable for outdoor purposes As the housing has a forced ventilation, under normal conditions there is no condensation inside the housing.
depth:	120 mm
housing material:	double section aluminium profile
housing colour:	standard: silver anodized, seawater-resistant aluminium alloy option: all RAL-colours deliverable
open the housing:	from the front: Please unlock the front door and turn it up. The front door will be kept open by gas-pressurized springs.



Open the housing by gas-pressurized springs.



Our standard displays of the LED-series AL for indoor usage (1/8)

smallest display of character size: 18 mm, single-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0421-18-1-R-0-S	red	128 x 32	4	à	21	18	5 x 7	325 x 81	500 x 330
			2	à	10	36	10 x 14		
			1	à	5	72	20 x 28		
AL 0432-18-1-R-0-S	red	192 x 32	4	à	32	18	5 x 7	488 x 81	650 x 330
			2	à	16	36	10 x 14		
			1	à	8	72	20 x 28		
AL 0442-18-1-R-0-S	red	256 x 32	4	à	42	18	5 x 7	650 x 81	800 x 330
			2	à	21	36	10 x 14		
			1	à	10	72	20 x 28		
AL 0821-18-1-R-0-S	red	128 x 64	8	à	21	18	5 x 7	325 x 163	500 x 330
			4	à	10	36	10 x 14		
			2	à	5	72	20 x 28		
AL 0832-18-1-R-0-S	red	192 x 64	8	à	32	18	5 x 7	488 x 163	650 x 330
			4	à	16	36	10 x 14		
			2	à	8	72	20 x 28		
AL 0842-18-1-R-0-S	red	256 x 64	8	à	42	18	5 x 7	650 x 163	800 x 330
			4	à	21	36	10 x 14		
			2	à	10	72	20 x 28		
AL 1221-18-1-R-0-S	red	128 x 96	12	à	21	18	5 x 7	325 x 244	500 x 400
			6	à	10	36	10 x 14		
			3	à	5	72	20 x 28		
AL 1232-18-1-R-0-S	red	192 x 96	12	à	32	18	5 x 7	488 x 244	650 x 400
			6	à	16	36	10 x 14		
			3	à	8	72	20 x 28		
AL 1242-18-1-R-0-S	red	256 x 96	12	à	42	18	5 x 7	650 x 244	800 x 400
			6	à	21	36	10 x 14		
			3	à	10	72	20 x 28		
AL 1632-18-1-R-0-S	red	128 x 128	8	à	21	18	5 x 7	325 x 325	500 x 475
			4	à	10	36	10 x 14		
			2	à	5	72	20 x 28		
AL 1632-18-1-R-0-S	red	192 x 128	16	à	32	18	5 x 7	488 x 325	650 x 475
			8	à	16	36	10 x 14		
			4	à	8	72	20 x 28		
AL 1642-18-1-R-0-S	red	256 x 128	16	à	42	18	5 x 7	650 x 325	800 x 475
			8	à	21	36	10 x 14		
			4	à	10	72	20 x 28		

Our standard displays of the LED-series AL for indoor usage (2/8)

smallest display of character size: 30 mm, single-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-60-2-R-0-S	red	128 x 16	2	à	24	30	8 pixels	602 x 75	750 x 225
			1	à	12	60	16 pixels		
AL 0119-60-2-R-0-S	red	192 x 16	2	à	38	30	8 pixels	902 x 75	1.050 x 225
			1	à	19	60	16 pixels		
AL 0125-60-2-R-0-S	red	256 x 16	2	à	50	30	8 pixels	1.203 x 75	1.350 x 225
			1	à	25	60	16 pixels		
AL 0212-60-2-R-0-S	red	128 x 32	4	à	24	30	8 pixels	602 x 150	750 x 300
			2	à	12	60	16 pixels		
AL 0219-60-2-R-0-S	red	192 x 32	4	à	38	30	8 pixels	902 x 150	1.050 x 300
			2	à	19	60	16 pixels		
AL 0225-60-2-R-0-S	red	256 x 32	4	à	50	30	8 pixels	1.203 x 150	1.350 x 300
			2	à	25	60	16 pixels		
AL 0412-60-2-R-0-S	red	128 x 64	8	à	24	30	8 pixels	602 x 301	750 x 450
			4	à	12	60	16 pixels		
AL 0419-60-2-R-0-S	red	192 x 64	8	à	38	30	8 pixels	902 x 301	1.050 x 450
			4	à	19	60	16 pixels		
AL 0425-60-2-R-0-S	red	256 x 64	8	à	50	30	8 pixels	1.203 x 301	1.350 x 450
			4	à	25	60	16 pixels		
AL 0612-60-2-R-0-S	red	128 x 96	12	à	24	30	8 pixels	602 x 451	750 x 600
			6	à	12	60	16 pixels		
AL 0619-60-2-R-0-S	red	192 x 96	12	à	38	30	8 pixels	902 x 451	1.050 x 600
			6	à	19	60	16 pixels		
AL 0625-60-2-R-0-S	red	256 x 96	12	à	50	30	8 pixels	1.203 x 451	1.350 x 600
			6	à	25	60	16 pixels		

Our standard displays of the LED-series AL for indoor usage (3/8)

smallest display of character size: 50 mm, single-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-100-2-R-0-S	red	128 x 16	2	à	24	50	8 pixels	975 x 122	1.125 x 275
			1	à	12	100	16 pixels		
AL 0119-100-2-R-0-S	red	192 x 16	2	à	38	50	8 pixels	1.463 x 122	1.615 x 275
			1	à	19	100	16 pixels		
AL 0125-100-2-R-0-S	red	256 x 16	2	à	50	50	8 pixels	1.950 x 122	2.100 x 275
			1	à	25	100	16 pixels		
AL 0212-100-2-R-0-S	red	128 x 32	4	à	24	50	8 pixels	975 x 244	1.125 x 400
			2	à	12	100	16 pixels		
AL 0219-100-2-R-0-S	red	192 x 32	4	à	38	50	8 pixels	1.463 x 244	1.615 x 400
			2	à	19	100	16 pixels		
AL 0225-100-2-R-0-S	red	256 x 32	4	à	50	50	8 pixels	1.950 x 244	2.100 x 400
			2	à	25	100	16 pixels		
AL 0412-100-2-R-0-S	red	128 x 64	8	à	24	50	8 pixels	975 x 488	1.225 x 740
			4	à	12	100	16 pixels		
AL 0419-100-2-R-0-S	red	192 x 64	8	à	38	50	8 pixels	1.463 x 488	1.715 x 740
			4	à	19	100	16 pixels		
AL 0425-100-2-R-0-S	red	256 x 64	8	à	50	50	8 pixels	1.950 x 488	2.200 x 740
			4	à	25	100	16 pixels		
AL 0612-100-2-R-0-S	red	128 x 96	12	à	24	50	8 pixels	975 x 732	1.225 x 980
			6	à	12	100	16 pixels		
AL 0619-100-2-R-0-S	red	192 x 96	12	à	38	50	8 pixels	1.463 x 732	1.715 x 980
			6	à	19	100	16 pixels		
AL 0625-100-2-R-0-S	red	256 x 96	12	à	50	50	8 pixels	1.950 x 732	2.200 x 980
			6	à	25	100	16 pixels		

Our standard displays of the LED-series AL for indoor usage (4/8)

smallest display of character size: 30 mm, three-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-60-2-RG-0-S	rd/gn/yw	128 x 16	2	à	24	30	8 pixels	602 x 75	750 x 225
			1	à	12	60	16 pixels		
AL 0119-60-2-RG-0-S	rd/gn/yw	192 x 16	2	à	38	30	8 pixels	902 x 75	1.050 x 225
			1	à	19	60	16 pixels		
AL 0125-60-2-RG-0-S	rd/gn/yw	256 x 16	2	à	50	30	8 pixels	1.203 x 75	1.350 x 225
			1	à	25	60	16 pixels		
AL 0212-60-2-RG-0-S	rd/gn/yw	128 x 32	4	à	24	30	8 pixels	602 x 150	750 x 300
			2	à	12	60	16 pixels		
AL 0219-60-2-RG-0-S	rd/gn/yw	192 x 32	4	à	38	30	8 pixels	902 x 150	1.050 x 300
			2	à	19	60	16 pixels		
AL 0225-60-2-RG-0-S	rd/gn/yw	256 x 32	4	à	50	30	8 pixels	1.203 x 150	1.350 x 300
			2	à	25	60	16 pixels		
AL 0412-60-2-RG-0-S	rd/gn/yw	128 x 64	8	à	24	30	8 pixels	602 x 301	750 x 450
			4	à	12	60	16 pixels		
AL 0419-60-2-RG-0-S	rd/gn/yw	192 x 64	8	à	38	30	8 pixels	902 x 301	1.050 x 450
			4	à	19	60	16 pixels		
AL 0425-60-2-RG-0-S	rd/gn/yw	256 x 64	8	à	50	30	8 pixels	1.203 x 301	1.350 x 450
			4	à	25	60	16 pixels		
AL 0612-60-2-RG-0-S	rd/gn/yw	128 x 96	12	à	24	30	8 pixels	602 x 451	750 x 600
			6	à	12	60	16 pixels		
AL 0619-60-2-RG-0-S	rd/gn/yw	192 x 96	12	à	38	30	8 pixels	902 x 451	1.050 x 600
			6	à	19	60	16 pixels		
AL 0625-60-2-RG-0-S	rd/gn/yw	256 x 96	12	à	50	30	8 pixels	1.203 x 451	1.350 x 600
			6	à	25	60	16 pixels		

Our standard displays of the LED-series AL for indoor usage (5/8)

smallest display of character size: 50 mm, three-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-100-2-RG-0-S	rd/gn/yw	128 x 16	2	à	24	50	8 pixels	975 x 122	1.125 x 275
			1	à	12	100	16 pixels		
AL 0119-100-2-RG-0-S	rd/gn/yw	192 x 16	2	à	38	50	8 pixels	1.463 x 122	1.615 x 275
			1	à	19	100	16 pixels		
AL 0125-100-2-RG-0-S	rd/gn/yw	256 x 16	2	à	50	50	8 pixels	1.950 x 122	2.100 x 275
			1	à	25	100	16 pixels		
AL 0212-100-2-RG-0-S	rd/gn/yw	128 x 32	4	à	24	50	8 pixels	975 x 244	1.125 x 400
			2	à	12	100	16 pixels		
AL 0219-100-2-RG-0-S	rd/gn/yw	192 x 32	4	à	38	50	8 pixels	1.463 x 244	1.615 x 400
			2	à	19	100	16 pixels		
AL 0225-100-2-RG-0-S	rd/gn/yw	256 x 32	4	à	50	50	8 pixels	1.950 x 244	2.100 x 400
			2	à	25	100	16 pixels		
AL 0412-100-2-RG-0-S	rd/gn/yw	128 x 64	8	à	24	50	8 pixels	975 x 488	1.225 x 740
			4	à	12	100	16 pixels		
AL 0419-100-2-RG-0-S	rd/gn/yw	192 x 64	8	à	38	50	8 pixels	1.463 x 488	1.715 x 740
			4	à	19	100	16 pixels		
AL 0425-100-2-RG-0-S	rd/gn/yw	256 x 64	8	à	50	50	8 pixels	1.950 x 488	2.200 x 740
			4	à	25	100	16 pixels		
AL 0612-100-2-RG-0-S	rd/gn/yw	128 x 96	12	à	24	50	8 pixels	975 x 732	1.225 x 980
			6	à	12	100	16 pixels		
AL 0619-100-2-RG-0-S	rd/gn/yw	192 x 96	12	à	38	50	8 pixels	1.463 x 732	1.715 x 980
			6	à	19	100	16 pixels		
AL 0625-100-2-RG-0-S	rd/gn/yw	256 x 96	12	à	50	50	8 pixels	1.950 x 732	2.200 x 980
			6	à	25	100	16 pixels		

Our standard displays of the LED-series AL for outdoor usage (6/8)

smallest display of character size: 30 mm, single-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-60-2-SR-0-S	red	128 x 16	2	à	24	30	8 pixels	602 x 75	750 x 290
			1	à	12	60	16 pixels		
AL 0119-60-2-SR-0-S	red	192 x 16	2	à	38	30	8 pixels	902 x 75	1.050 x 290
			1	à	19	60	16 pixels		
AL 0125-60-2-SR-0-S	red	256 x 16	2	à	50	30	8 pixels	1.203 x 75	1.350 x 290
			1	à	25	60	16 pixels		
AL 0212-60-2-SR-0-S	red	128 x 32	4	à	24	30	8 pixels	602 x 150	750 x 300
			2	à	12	60	16 pixels		
AL 0219-60-2-SR-0-S	red	192 x 32	4	à	38	30	8 pixels	902 x 150	1.050 x 300
			2	à	19	60	16 pixels		
AL 0225-60-2-SR-0-S	red	256 x 32	4	à	50	30	8 pixels	1.203 x 150	1.350 x 300
			2	à	25	60	16 pixels		
AL 0412-60-2-SR-0-S	red	128 x 64	8	à	24	30	8 pixels	602 x 301	850 x 550
			4	à	12	60	16 pixels		
AL 0419-60-2-SR-0-S	red	192 x 64	8	à	38	30	8 pixels	902 x 301	1.150 x 550
			4	à	19	60	16 pixels		
AL 0425-60-2-SR-0-S	red	256 x 64	8	à	50	30	8 pixels	1.203 x 301	1.450 x 550
			4	à	25	60	16 pixels		
AL 0612-60-2-SR-0-S	red	128 x 96	12	à	24	30	8 pixels	602 x 451	850 x 700
			6	à	12	60	16 pixels		
AL 0619-60-2-SR-0-S	red	192 x 96	12	à	38	30	8 pixels	902 x 451	1.150 x 700
			6	à	19	60	16 pixels		
AL 0625-60-2-SR-0-S	red	256 x 96	12	à	50	30	8 pixels	1.203 x 451	1.450 x 700
			6	à	25	60	16 pixels		

Our standard displays of the LED-series AL for outdoor usage (7/8)

smallest display of character size: 50 mm, single-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-100-2-SR-0-S	red	128 x 16	2	à	24	50	8 pixels	975 x 122	1.125 x 290
			1	à	12	100	16 pixels		
AL 0119-100-2-SR-0-S	red	192 x 16	2	à	38	50	8 pixels	1.463 x 122	1.715 x 370
			1	à	19	100	16 pixels		
AL 0125-100-2-SR-0-S	red	256 x 16	2	à	50	50	8 pixels	1.950 x 122	2.200 x 370
			1	à	25	100	16 pixels		
AL 0212-100-2-SR-0-S	red	128 x 32	4	à	24	50	8 pixels	975 x 244	1.225 x 495
			2	à	12	100	16 pixels		
AL 0219-100-2-SR-0-S	red	192 x 32	4	à	38	50	8 pixels	1.463 x 244	1.715 x 495
			2	à	19	100	16 pixels		
AL 0225-100-2-SR-0-S	red	256 x 32	4	à	50	50	8 pixels	1.950 x 244	2.200 x 495
			2	à	25	100	16 pixels		
AL 0412-100-2-SR-0-S	red	128 x 64	8	à	24	50	8 pixels	975 x 488	1.225 x 740
			4	à	12	100	16 pixels		
AL 0419-100-2-SR-0-S	red	192 x 64	8	à	38	50	8 pixels	1.463 x 488	1.715 x 740
			4	à	19	100	16 pixels		
AL 0425-100-2-SR-0-S	red	256 x 64	8	à	50	50	8 pixels	1.950 x 488	2.200 x 740
			4	à	25	100	16 pixels		
AL 0612-100-2-SR-0-S	red	128 x 96	12	à	24	50	8 pixels	975 x 732	1.225 x 980
			6	à	12	100	16 pixels		
AL 0619-100-2-SR-0-S	red	192 x 96	12	à	38	50	8 pixels	1.463 x 732	1.715 x 980
			6	à	19	100	16 pixels		
AL 0625-100-2-SR-0-S	red	256 x 96	12	à	50	50	8 pixels	1.950 x 732	2.200 x 980
			6	à	25	100	16 pixels		

Our standard displays of the LED-series AL for outdoor usage (8/8)

smallest display of character size: 70 mm, three-coloured

designation	colour LED	resolution (W x H)	lines	à	characters /line	character size [mm]	character size	LED-field (WxH) in [mm]	dimension (WxH) in [mm]
AL 0112-100-2-SRG-0-S	rd/gn/yw	128 x 16	2	à	24	70	8 pixels	1.280 x 160	1.530 x 410
			1	à	12	140	16 pixels		
AL 0119-100-2-SRG-0-S	rd/gn/yw	192 x 16	2	à	38	70	8 pixels	1.920 x 160	2.170 x 410
			1	à	19	140	16 pixels		
AL 0125-100-2-SRG-0-S	rd/gn/yw	256 x 16	2	à	50	70	8 pixels	2.560 x 160	2.810 x 410
			1	à	25	140	16 pixels		
AL 0212-100-2-SRG-0-S	rd/gn/yw	128 x 32	4	à	24	70	8 pixels	1.280 x 320	1.530 x 570
			2	à	12	140	16 pixels		
AL 0219-100-2-SRG-0-S	rd/gn/yw	192 x 32	4	à	38	70	8 pixels	1.920 x 320	2.170 x 570
			2	à	19	140	16 pixels		
AL 0225-100-2-SRG-0-S	rd/gn/yw	256 x 32	4	à	50	70	8 pixels	2.560 x 320	2.810 x 570
			2	à	25	140	16 pixels		
AL 0412-100-2-SRG-0-S	rd/gn/yw	128 x 64	8	à	24	70	8 pixels	1.280 x 640	1.530 x 890
			4	à	12	140	16 pixels		
AL 0419-100-2-SRG-0-S	rd/gn/yw	192 x 64	8	à	38	70	8 pixels	1.920 x 640	2.170 x 890
			4	à	19	140	16 pixels		
AL 0425-100-2-SRG-0-S	rd/gn/yw	256 x 64	8	à	50	70	8 pixels	2.560 x 640	2.810 x 890
			4	à	25	140	16 pixels		
AL 0612-100-2-SRG-0-S	rd/gn/yw	128 x 96	12	à	24	70	8 pixels	1.280 x 960	1.530 x 1.210
			6	à	12	140	16 pixels		
AL 0619-100-2-SRG-0-S	rd/gn/yw	192 x 96	12	à	38	70	8 pixels	1.920 x 960	2.170 x 1.210
			6	à	19	140	16 pixels		
AL 0625-100-2-SRG-0-S	rd/gn/yw	256 x 96	12	à	50	70	8 pixels	2.560 x 960	2.810 x 1.210
			6	à	25	140	16 pixels		

All displays also deliverable in 2-sided construction.
Other character sizes and configurations on request.
Subject to technical alterations.