



Series SX602  
Alphanumeric  
large size displays



### Interfaces

The units are available with many different interfaces.  
For details see page 4.

### Setup menu

One of the advantages of the units is their elegant and comfortable parameterization per menu.

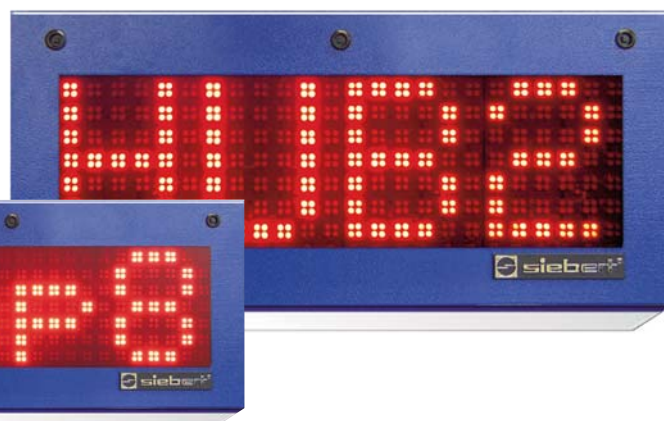
For the Ethernet versions also the network parameters are set in the menu (IP-address, standard gateway). External aids are not required, and afterwards the units can already be accessed via network.

### Individual character representation

The provided software DisplayManager allows easy generation and storage of individual characters, symbols and whole character sets, as well as the creation and management of texts.

### Online- or fixed texts

The texts to be presented are sent to the display via the interface (online texts). Furthermore, the units are equipped with an internal text memory in which texts can be stored (fixed texts). Each of these texts is given an address with which it can be called up and displayed.



### Paging, marquee text, bar graph

Texts which contain more characters than can be presented in the display are automatically presented in paging mode. In addition, longer texts can be displayed as marquee text. Bar graph presentation is also possible.

### Further advantages at a glance

In the menu it can be set that after power-on an initial text is to appear automatically in the display, e. g. 'system operational'. The units feature a real-time clock with date and weekday. The current time and the current date can be inserted into a text by control commands.

### Visible over long distances

Presentation of information over long distances, visualization of process data, operator guidance in plain language - these are typical applications for the alphanumeric large size displays of series SX602.

Designed for industrial applications, these systems have proved themselves worldwide in automation technology, production plants, transport and logistics - in all places where professional solutions are required.



## Alphanumeric large size displays - Character height 50 and 100 mm

Read off on one side				
<b>Character height</b>			<b>20 digits<sup>1)</sup></b>	<b>40 digits<sup>1)</sup></b>
50 mm	LED red		SX602-20/05/0R-100/0A-...	SX602-40/05/0R-100/0A-...
	Dimensions a x b x c		1040 x 250 x 130 mm	1960 x 250 x 130 mm
	Weight		16 kg	27 kg
	Power consumption		35 (55) VA <sup>3)</sup>	55 (95) VA <sup>3)</sup>

Read off on one side				
<b>Character height</b>			<b>10 digits<sup>1)</sup></b>	<b>20 digits<sup>1)</sup></b>
100 mm	LED red		SX602-10/10/0R-100/0A-...	SX602-20/10/0R-100/0A-...
	Dimensions a x b x c		1040 x 250 x 130 mm	1960 x 250 x 130 mm
	Weight		16 kg	27 kg
	Power consumption		35 VA	55 VA

Read off on two sides				
<b>Character height</b>			<b>20 digits<sup>1)</sup></b>	<b>40 digits<sup>1)</sup></b>
50 mm	LED red		SX602-20/05/0R-200/3A-...	SX602-40/05/0R-200/3A-... <sup>2)</sup>
	Dimensions a x b x c		1040 x 250 x 210 mm	1960 x 250 x 210 mm
	Weight		25 kg	42 kg
	Power consumption		55 (95) VA <sup>3)</sup>	95 (180) VA <sup>3)</sup>

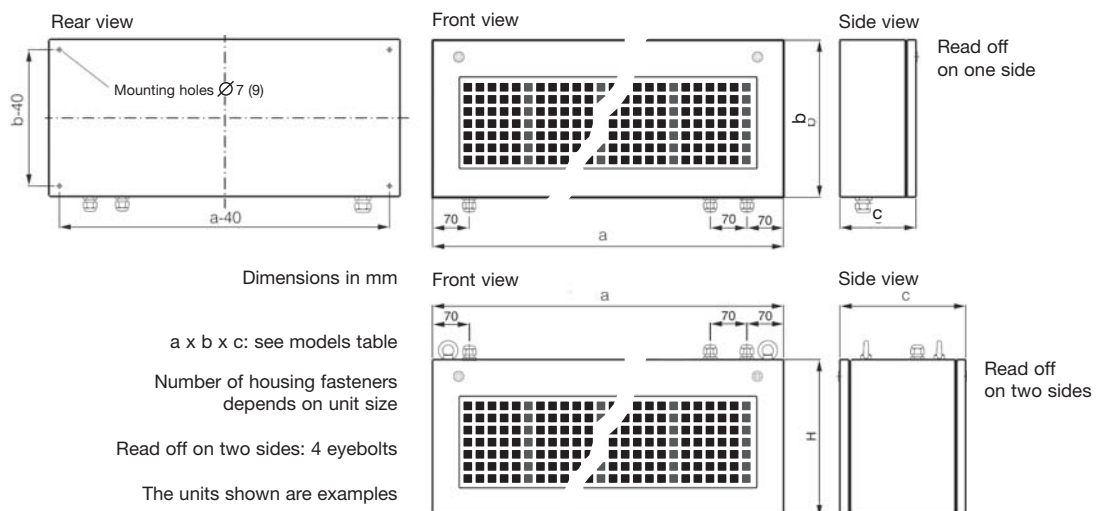
Read off on two sides				
<b>Character height</b>			<b>10 digits<sup>1)</sup></b>	<b>20 digits<sup>1)</sup></b>
100 mm	LED red		SX602-10/10/0R-200/3A-...	SX602-20/10/0R-200/3A-...
	Dimensions a x b x c		1040 x 250 x 210 mm	1960 x 250 x 210 mm
	Weight		25 kg	42 kg
	Power consumption		55 VA	95 VA

<sup>1)</sup> Applies to character set Acala 7.

<sup>2)</sup> Separately ventilated in connection with option LED red/green/orange.

<sup>3)</sup> Values in brackets apply in connection with option LED red/green/orange.

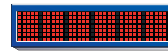
## Dimensions



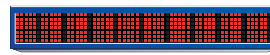
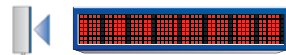


## Alphanumeric large size displays - Character height 160 und 250 mm

Read off  
on one side

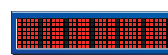


Character height		4 digits	6 digits
160 mm	LED red	SX602-04/16/0R-100/0A-...	SX602-06/16/0R-100/0A-...
	Dimensions a x b x c	670 x 300 x 130 mm	960 x 300 x 130 mm
	Weight/power consumption <sup>1)</sup>	15 kg / ca. 45 VA	18 kg / 60 VA
250 mm	LED red	SX602-04/25/0R-100/0A-...	SX602-06/25/0R-100/0A-...
	Dimensions a x b x c	1030 x 400 x 130 mm	1500 x 400 x 130 mm
	Weight/power consumption <sup>1)</sup>	23 kg / 90 (140) VA <sup>2)</sup>	32 kg / 135 (205) VA <sup>2)</sup>

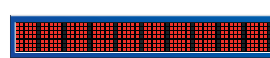


Character height		8 digits	10 digits	12 digits
160 mm	LED red	SX602-08/16/0R-100/0A-...	SX602-10/16/0R-100/0A-...	SX602-12/16/0R-100/0A-...
	Dimensions a x b x c	1240 x 300 x 130 mm	1520 x 300 x 130 mm	1810 x 300 x 130 mm
	Weight/power consumption <sup>1)</sup>	22 kg / 80 VA	26 kg / 95 VA	30 kg / 110 VA
250 mm	LED red	SX602-08/25/0R-100/0A-...	-	-
	Dimensions a x b x c	1960 x 400 x 130 mm	-	-
	Weight/power consumption <sup>1)</sup>	40 kg / 180 (270) VA <sup>2)</sup>	-	-

Read off  
on two sides



Character height		4 digits	6 digits
160 mm	LED red	SX602-04/16/0R-200/3A-...	SX602-06/16/0R-200/3A-...
	Dimensions a x b x c	670 x 300 x 210 mm	960 x 300 x 210 mm
	Weight/power consumption <sup>1)</sup>	22 kg / 80 VA	28 kg / 115 VA
250 mm	LED red	SX602-04/25/0R-200/3A-...	SX602-06/25/0R-200/3A-...
	Dimensions a x b x c	1030 x 400 x 210 mm	1500 x 400 x 210 mm
	Weight/power consumption <sup>1)</sup>	22 kg / ca. 170 (270) VA <sup>2)</sup>	49 kg / 200 (400) VA <sup>2)</sup>



Character height		8 digits	10 digits	12 digits
160 mm	LED red	SX602-08/16/0R-200/3A-...	SX602-10/16/0R-200/3A-...	SX602-12/16/0R-200/3A-...
	Dimensions a x b x c	1240 x 300 x 210 mm	1520 x 300 x 210 mm	1810 x 300 x 210 mm
	Weight/power consumption <sup>1)</sup>	34 kg / 150 VA	40 kg / 180 VA	46 kg / 215 VA
250 mm	LED red	SX602-08/25/0R-200/3A-...	-	-
	Dimensions a x b x c	1960 x 400 x 210 mm	-	-
	Weight/power consumption <sup>1)</sup>	62 kg / 350 (530) VA <sup>2)</sup>	-	-

<sup>1)</sup> The figures given for weight and power consumption are approximate.

<sup>2)</sup> Values in brackets apply in connection with option LED red/green/orange.

## Character set

Acala 7

```

AaBbCcDdEeF fGgHhIi JjKkLlMmNnOoPpQqRrSsTtUuVvWwXxYyZz
AaBbCcDdEeF fGgHhIi JjKkLlMmNnOoPpQqRrSsTtUuVvWwXxYyZz
Font display

```

Acala 7 extended

```

AaBbCcDdEeF fGgHhIi JjKkLlMm
AaBbCcDdEeF fGgHhIi JjKkLlMm

```



## Technical data

Power supply	230 V AC +15/-10 %, 50 Hz (option 24 V DC $\pm$ 15%)
Power consumption	see type tables
Housing	Sheet steel, varnished (optionally stainless steel)
Housing body	light gray RAL 7035
Front frame	ultramarine blue RAL 5002
Protection type	IP54 (IP65 optional)
Front panel	LED <sup>1)</sup> red: front panel red, non-reflecting; other LED: clear, non-refl.
Operating temperature	0...55 °C
Storage temperature	-30...85 °C
Relative humidity	95% (non-condensing)

<sup>1)</sup> LED red for outdoor application: front panel clear.

## Options

LED for outdoor application	SX602-xx/xx/2x-xxx/xx-xx
LED green (more colors on request)	SX602-xx/xx/xG-xxx/xx-xx
LED red/green/orange <sup>2)</sup>	SX602-xx/xx/xM-xxx/xx-xx
Housing sheet steel, bilayer painting	SX602-xx/xx/xx-x1x/xx-xx
Housing sheet steel V2A (stainless steel), coated	SX602-xx/xx/xx-x2x/xx-xx
Housing sheet steel V2A (stainless steel), brushed	SX602-xx/xx/xx-x3x/xx-xx
Housing sheet steel V4A (stainless steel), brushed	SX602-xx/xx/xx-x5x/xx-xx
Protection type IP65	SX602-xx/xx/xx-xx1/xx-xx
Protection type IP54 with climate adjustment	SX602-xx/xx/xx-xx2/xx-xx
Protection type IP54 with climate adjustment and heating	SX602-xx/xx/xx-xx4/xx-xx
Power supply 24 V DC $\pm$ 15 %, galvanically isolated <sup>3)</sup>	SX602-xx/xx/xx-xxx/xB-xx

<sup>1)</sup> In connection with front heights of 50 mm and 250 mm.

<sup>2)</sup> Type-dependent - depending on size, luminous color.

## Interfaces

Ethernet TCP/IP	SX602-xxx/xx/xx-xxx/xx-E0
Modbus RTU	SX602-xxx/xx/xx-xxx/xx-M0
Parallel	SX602-xxx/xx/xx-xxx/xx-P0
Profibus-DP	SX602-xxx/xx/xx-xxx/xx-K0
ProfiNet-IO	SX602-xxx/xx/xx-xxx/xx-YQ
Serial RS232/RS485	SX602-xxx/xx/xx-xxx/xx-S0

More interfaces available on request

Series SX602  
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 large size displays**



- Automotive industry
- Chemicals & Pharmaceuticals
- Transport & Logistics
- Mechanical and industrial plant engineering
- Food processing and luxury food industry
- Steel production  
Steel formation
- Aerospace industry
- Paper and printing industry
- Textiles industry
- Weighing and dosimetry



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