Series SX602
Alphanumeric large size displays

The SX602 series comprises single line alphanumeric large size displays. With character heights up to 250 mm they are suitable for long reading distances. The LED matrix is ready for marquee, so that longer texts can also be displayed by devices with a smaller number of characters.
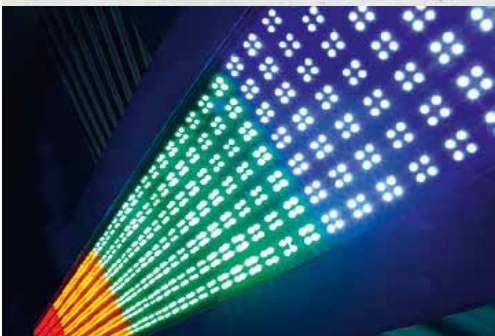
Menu-guided parameterization

After opening the housing the menu display is visible inside the device. Operation modes, parameters and device functions are defined without the need of the main display to be visible – an operational convenience especially with large volume devices or at exposed installation sites.

Interfaces for industrial data communication

The large size displays support the interfaces for the industrial communication: field buses, network topologies, serial control, etc.

Readable one- or double-sided

The large size displays are offered either with a one- or a double-sided display. The versions with a double-sided display have a LED matrix on the front and on the rear side and show the same information on both sides.

Function inputs

The devices are equipped with PLC-compatible function inputs. They allow the activation of device functions such as flashing, blanking and reduction of the LED brightness (day/night mode) independent from the signals over the data interface.

Easy mounting and installation

The front frame is locked with quick-action releases. When opening the unit the front frame hinges downward. Connectors, modules and controls are now directly accessible without disassembling housing parts.

Text memory

Fixed texts are defined with an address in the internal text memory. Upon receipt of an address the corresponding text appears in the display. This operating mode is advantageous if recurring texts are displayed. Variable information such as current measured values, quantities or time and date can be displayed in the texts.
A fixed text can also be used as initial text at power on, e.g. "System trouble-free".

Standard units

50 mm character height	20 characters[1]	40 characters[1]
One-sided display	SX602-20/05/0x100/0A-xx	SX602-40/05/0x-100/0A-xx
Double-sided display	SX602-20/05/0x-200/3A-xx	SX602-40/05/0x-200/3A-xx
Measures A x B	1040 x 250 mm	1960 x 250 mm

160 mm character height	4 characters[1]	6 characters[1]	8 characters[1]
One-sided display	SX602-04/16/0x-100/0A-xx	SX602-06/16/0x-100/0A-xx	SX602-08/16/0x-100/0A-xx
Double-sided display	SX602-04/16/0x-200/3A-xx	SX602-06/16/0x-200/3A-xx	SX602-08/16/0x-200/3A-xx
Measures A x B	670 x 300 mm	960 x 300 mm	1240 x 300 mm

160 mm character height	10 characters[1]	12 characters[1]
One-sided display	SX602-10/16/0x-100/0A-xx	SX602-12/16/0x-100/0A-xx
Double-sided display	SX602-10/16/0x-200/3A-xx	SX602-12/16/0x-200/3A-xx
Measures A x B	1520 x 300 mm	1810 x 300 mm

250 mm character height	4 characters[1]	6 characters[1]	8 characters[1]
One-sided display	SX602-04/25/0x-100/0A-xx	SX602-06/25/0x-100/0A-xx	SX602-08/25/0x-100/0A-xx
Double-sided display	SX602-04/25/0x-200/3A-xx	SX602-06/25/0x-200/3A-xx	SX602-08/25/0x-200/3A-xx
Measures A x B	1030 x 400 mm	1500 x 400 mm	1960 x 400 mm

[1] Applies to character set Acala 7

Data interface

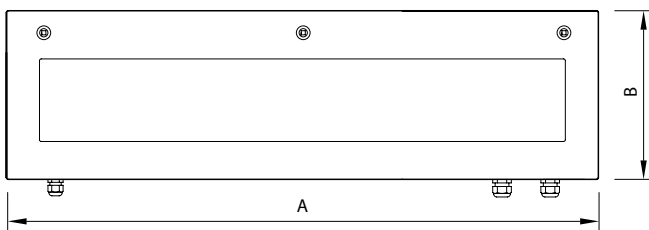|	
Ethernet/IP	SX602-xx/xx/xx-xxx/xx-YE
Ethernet TCP/IP	SX602-xx/xx/xx-xxx/xx-E0
Profinet	SX602-xx/xx/xx-xxx/xx-YP
Profibus	SX602-xx/xx/xx-xxx/xx-K0
Modbus TCP/IP	SX602-xx/xx/xx-xxx/xx-YT
RS485/RS232	SX602-xx/xx/xx-xxx/xx-S0
BCD/binary	SX602-xx/xx/xx-xxx/xx-P0

LED color

White	SX602-xx/xx/xW-xxx/xx-xx
Red	SX602-xx/xx/xR-xxx/xx-xx
Green[1]	SX602-xx/xx/xG-xxx/xx-xx
Yellow[1]	SX602-xx/xx/xY-xxx/xx-xx

[1] Only in connection with LEDs for outdoor use
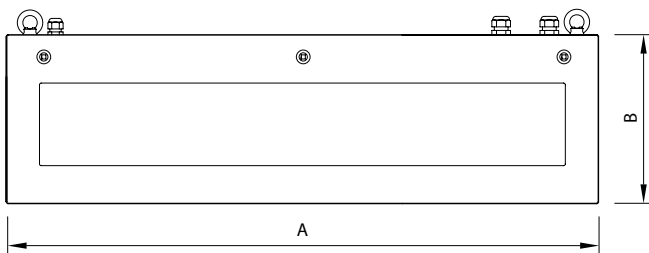
Options

LED for outdoor use	SX602-xx/xx/2x-xxx/xx-xx
Housing with two-layer coating	SX602-xx/xx/xx-x1x/xx-xx
Housing V2A (stainless steel), varnished	SX602-xx/xx/xx-x2x/xx-xx
Housing V2A (stainless steel), brushed	SX602-xx/xx/xx-x3x/xx-xx
Housing 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 control	SX602-xx/xx/xx-xx2/xx-xx
Protection type IP54 with climate control and heating	SX602-xx/xx/xx-xx4/xx-xx
Protective weather cover	SX602-xx/xx/xx-xxx/xx-xx-1011

One-sided display

Double-sided display

Dimensions in mm

Technical data

Power supply	230 V AC ±15 %, 50 Hz, optional 24 V DC ±15 % or 115 V AC ±15 %, 60 Hz
Housing	Steel sheet, optional stainless steel, Varnishing RAL 5002 ultramarine blue/RAL 7035 light grey
Protection type	IP54, optional IP65

Detailed technical data see operating instructions.

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