Harmony ST6

Basic and Web HMI panels
Quick access to product information

Get technical information about your product

Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:
- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

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Select your training

> Find the right Training for your needs on our Global website
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Harmony ST6/STW6 Basic HMI panels

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Harmony ST6 HMI panels range in size from 4” to 15” and combine exceptional quality with good graphics and stylish design. They offer an improved user experience through an attractive look and feel and intuitiveness powered by EcoStruxure Operator Terminal Expert software. The Harmony ST6 Web version has a pre-installed browser that provides a ready-to-use agnostic terminal that allows all devices to be visualized within an HTML5 server.

EcoStruxure Machine brings together key technologies for product connectivity and on-premise edge control, and cloud technologies to provide analytics and digital services. EcoStruxure Machine helps you bring more innovation and added value to your customers throughout the entire machine life cycle.

The Harmony ST6/STW6 ranges meet IIoT challenges at the Connected Products level, by providing secure communication, connectivity, and efficiency to the required software and applications at the Edge Control level, thus opening up more business opportunities.

**Refined hardware design**
- A well-finished appearance: CNC machining, processing, and color coating like a smartphone gives it a high-grade finish

**Visualization**
- High-quality screen, high resolution with 16 M colors
- Improved graphics with truetype fonts, gradient, transparency, and anti-aliasing
- Theme and color set for supporting situational awareness

**General presentation**

**Harmony ST6 Basic/STW6 Web HMI panels**

**Harmony ST6 Basic and Web HMI panels**
Refined hardware design with improved visualization
Easy to use, connected and secure

**Harmony ST6 HMI panels**

**EcoStruxure™ Architecture**

**Revised hardware design with improved visualization**

**Attractive aesthetics and visualization for simple machines**
**Enhanced Cybersecurity**

**Harmony ST6**  
Basic and Web HMI panels  
Refined hardware design with improved visualization  
Easy to use, connected and secure

---

### Easy to install

> Quick mounting without screwdriver:
- Spring clip for 4” panel (1)
- Tool-free fastener for 7”, 10”, 12”, and 15” panels

> Electronic manual via QR code for easy in-field maintenance without PC or paper

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### Easy to use

**Harmony ST6 Basic HMI**

> With the Multi Screen function, more information can be displayed in a single screen
> With the Layout Objects (Dock Panel) function:
- Several pages can be embedded in one screen and users can navigate in each section independently
- Screens are automatically resized to fit the frame
- Frame sizes can be dynamically changed to show different content

**Harmony STW6 Basic Web HMI**

> The panel with HTML5 Browser function enables:
- Easy display of Title bar by swipe gesture on top of screen for full navigation
- Access to Menu for configuration of different Web Server and Web Terminal addresses
- Visualization of all Web content of servers in industrial devices (2)

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### Connected and secure

> The Harmony ST6 offer is uniquely positioned in “Connected Products” within the EcoStruxure platform for enhanced cybersecurity.
> Admin rights are required to download projects to HMI target \(<\text{BuildTime}>=\)
> OP user logged out after predefined idle time \(<\text{RunTime}>=\)
> Security check performed during booting \(<\text{CPU}>=\)

(1) This accessory has to be ordered separately.
(2) As there may be limited access to all features of the HTML5 connected server, please contact your local Schneider Electric representative for more details.

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**Harmony ST6 ➔ An HMI adapted for IIoT and cybersecurity**
# Harmony ST6
## Harmony ST6 Basic HMI panels

<table>
<thead>
<tr>
<th>Applications</th>
<th>Display of text messages, graphic objects, and synoptic views</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of display module</td>
<td>Control and configuration of data</td>
</tr>
</tbody>
</table>

### Display
- Touchscreen size: 4.3" / 7"
- Resolution (pixels): 480 x 272 pixels, 16 million colors / 800 x 480 pixels (AVGA), 16 million colors
- Type: TFT Color LCD, single-touch analoge resistive

### Degree of protection
- IP65F, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure)

### Functions
- Brightness control: 16 levels (adjusted with touch panel or software)
- Backlight service life: 50,000 hrs or more

### Memory
- Device memory: 512 MB / 1 GB
- User data memory: 128 MB / 128 MB
- Backup memory: 512 KB NVRAM

### Dimensions
- External W × H × D mm/in.: 134.5 x 108.5 x 43/5.3 x 4.27 x 1.69
- Cut-out W × H mm/in.: 118.5 x 92.5/4.67 x 3.64

### Weight
- 0.4 kg/0.88 lb

### Supply voltage
- 24 V

### Environment
- Ambient air temperature: 0...50 °C/32...122 °F

### Communication
- Asynchronous serial link: RS-232C (COM1), RS-485 (COM2)
- USB ports: 1x USB 2.0 (Type A), 1x USB 2.0 Micro-B
- Buses and networks: 1x Ethernet TCP/IP (10BASE-T/100BASE-TX)

### Conformity to standards and certifications
- CE, China RoHS, REACH, KC, EN 61000-6-4/61000-6-2/61131-2, UL 61010-2-201, CSA C22.2 No 61010-2-201

### Operating system
- Harmony (800 MHz ARM Cortex-A8 CPU)

### Development software
- EcoStruxure Operator Terminal Expert (1)

### Terminal reference
- HMIST6200 / HMIST6400

### Select for:
- 4.3"
- 7"

---

(1) For more information on EcoStruxure Operator Terminal Expert, please refer to the DIA5ED2140703EN catalog.

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More technical information on www.schneider-electric.com
Harmony ST6
Harmony STW6 Basic Web HMI panels

<table>
<thead>
<tr>
<th>Applications</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Control and configuration of data</td>
<td>Basic Web HMI panels</td>
</tr>
</tbody>
</table>

### Display

<table>
<thead>
<tr>
<th>Touchscreen size</th>
<th>Resolution (pixels)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3&quot;</td>
<td>480 x 272 pixels, 16 million colors</td>
<td>TFT LCD, single-touch analog resistive</td>
</tr>
<tr>
<td>7&quot;</td>
<td>800 x 480 pixels (XVGA), 16 million colors</td>
<td>IP65F, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure)</td>
</tr>
</tbody>
</table>

### Control and configuration of data

<table>
<thead>
<tr>
<th>Brightness control</th>
<th>Backlight service life</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 levels (adjusted with touch panel or software)</td>
<td>50,000 hrs or more</td>
</tr>
</tbody>
</table>

### Memory

<table>
<thead>
<tr>
<th>Device memory</th>
<th>User data memory</th>
<th>Backup memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>512 MB</td>
<td>512 MB</td>
<td>128 KB</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>External (W × H × D mm/in)</th>
<th>Cut-out (W × H mm/in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>134.5 x 108.5 x 43/5.3 x 4 27 x 1.69</td>
<td>118.5 x 92/4.7 x 6.87 x 3.64</td>
</tr>
<tr>
<td>208 x 153 x 45/8.19 x 6.02 x 1.77</td>
<td>190 x 130/7.48 x 5.13 x 0.63</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.4 kg/0.88 lb</td>
</tr>
</tbody>
</table>

### Supply Voltage

<table>
<thead>
<tr>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 V</td>
</tr>
</tbody>
</table>

### Environment

<table>
<thead>
<tr>
<th>Ambient air temperature 0...50 °C/32...122 °F</th>
</tr>
</thead>
</table>

### Communication

<table>
<thead>
<tr>
<th>Asynchronous serial link</th>
<th>USB ports</th>
<th>Buses and networks</th>
<th>Conformity to standards and certifications</th>
<th>Operating system</th>
<th>Development software</th>
<th>Terminal reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>–</td>
<td>1×USB 2.0 (Type A)</td>
<td>1× Ethernet TCP/IP (10BASE-T/100BASE-TX)</td>
<td>CC, China RoHS, REACH, KC, EN 61000-6-4/61000-6-2/61131-2, UL 61010-2-201, CSA C22.2 No 61010-2-201, Harmony (800 MHz ARM Cortex-A8 CPU)</td>
<td>Linux Browser HTML5</td>
<td>HMISTW6200 HMISTW6400</td>
<td>13 HMISTW6500 HMISTW6600 HMISTW6700</td>
</tr>
<tr>
<td>RS-232C (COM1), RS-485 (COM2)</td>
<td>1xUSB 2.0 (Type A), 1x USB 2.0 Micro-B</td>
<td>2x Ethernet with switch function for daisy chain (10BASE-T/100BASE-TX)</td>
<td>CC, China RoHS, REACH, KC, EN 61000-6-4/61000-6-2/61131-2, UL 61010-2-201, CSA C22.2 No 61010-2-201, Harmony (800 MHz ARM Cortex-A8 CPU)</td>
<td>Linux Browser HTML5</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

### More technical information on www.schneider-electric.com
Presentation

Harmony ST6 Basic and STW6 Basic Web HMI panels provide high-quality graphics and stylish design. They are color touchscreen terminals (TFT technology) available in 5 different sizes:
- 4.3"
- 7"
- 10.1"
- 12.1"
- 15.6"

Their efficiency, flexibility, connectivity, and security features make them suitable for use in food and beverage, HVAC&R, pumping, and packaging applications.

Environment

The Harmony ST6/STW6 Basic range has been designed in accordance with numerous standards, certifications, and requirements:

- Compliance standards:
  - Europe:
      - Programmable Controllers: EN 61131-2, EN 61000-6-4, EN 61000-6-2
  - Australia:
    - RCM
    - EN 61000-6-4
  - Korea
    - KC
    - KN 11
    - KN 61000-6-2

- Agency certifications:
  - Third-party certified standards: Underwriters Laboratories Inc., UL 61010-2-201 and CSA C22.2 No. 61010-2-201, Industrial Control Equipment

- Operating temperature: up to 50 °C/122 °F
- Degree of protection: IP65F, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure)
- Vibration resistance:
  - IEC/EN 61131-2 compliant, 5...9 Hz single amplitude 3.5 mm/0.14 in., 9...150 Hz fixed acceleration: 9.8 m/s², X, Y, Z directions for 10 cycles (approximately 100 minutes)
- Shock resistance
  - IEC/EN 61131-2 compliant, 147 m/s², X, Y, Z directions for 3 times
- Electrical fast transient/burst
  - IEC 61000-4-4
  - 2 kV: Power port (display unit)
  - 1 kV: Signal ports
- Electrostatic discharge immunity
  - Contact discharge method: 6 kV
  - Air discharge method: 8 kV (IEC/EN 61000-4-2 Level 3)
Harmony ST6
Basic and Web HMI panels

Software functions
Harmony ST6 Basic HMI panels
Harmony ST6 Basic panels are configured using EcoStruxure Operator Terminal Expert software. This software and its user interface bring greater ease of use to project development and online updates. EcoStruxure Operator Terminal Expert allows you to create HMI applications with an innovative navigation concept on Harmony ST6.

These panels with EcoStruxure Operator Terminal Expert offer the following functions:

- Display of animated synoptic views with 8 types of animation (pressing the touch panel, color changes, filling, movement, rotation, size, visibility, and value display)
- Control, modification of numeric and alphanumerical values
- Display of current date and time
- Real-time and trending curves with log
- Alarm display, alarm log, and management of alarm groups
- Multi-window
- Recipe management
- Multi-language support in the Buildtime editor (10 languages)
- Storage of the application logs on USB stick

For more information on EcoStruxure Operator Terminal Expert, please refer to the DIA5ED2140703EN catalog.

Harmony STW6 Web HMI panels
Harmony STW6 uses the Web browser which acts like a Web client to display screens that run Web servers on the same Intranet.

- 1 Displays the title of the Web server page or the URL when the page does not have a title
- 2 Moves to the previous page
- 3 Moves to the next page
- 4 Icon that displays while loading the Web server screen
- 5 Reloads the Web server screen
- 6 Displays the Web server screen set in Server → Start Page
- 7 Touch this icon to display the sub-menu

(1) For supported models, please contact your local Schneider Electric support representative.
Communication

Harmony ST6 HMI panels communicate with PLCs via one or two integrated serial links, using the following communication protocols:

- Schneider Electric (Uni-TE, Modbus)
- Third-party: Mitsubishi Electric, Omron, Allen-Bradley, and Siemens

Depending on the model, they can be connected to Ethernet TCP/IP networks using one of the following:

- A Modbus TCP protocol
- An Ethernet TCP/IP protocol
- A third-party protocol
functions

Harmony ST6
Basic and Web HMI panels

Panel operating modes
The following illustrations show the equipment that can be connected to Basic HMI panels according to their two operating modes.

### Edit mode

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harmony ST6 Basic and Web HMI panels</td>
<td>Ethernet network, USB Type A to Micro-B, USB Memory Stick, PC running EcoStruxure Operator Terminal Expert</td>
</tr>
<tr>
<td>HMIST6</td>
<td>Ethernet network, USB Type A to Micro-B, USB Memory Stick, PC running EcoStruxure Operator Terminal Expert</td>
</tr>
</tbody>
</table>

### Operating mode

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modicon M340</td>
<td>USB port expander, Memory stick, USB, COM2, XBTZ9780, Modicon M241/M251</td>
</tr>
<tr>
<td>HMIST6</td>
<td>USB, Memory stick</td>
</tr>
</tbody>
</table>

![Diagram of equipment connections](image-url)
Description

Harmony ST6
Basic and Web HMI panels
Panels with 4” and 7” touchscreens

Description
Harmony HMIST6 200/400 Basic and HMISTW6 200/400 Web HMI panels
Front view
1. Single-touch resistive screen for displaying synoptic views
2. Multi-color status indicator (green, orange, and red) showing the panel’s operating mode
3. Aluminum alloy front panel providing IP 66/67 protection when mounted on panel or enclosure door

Harmony HMIST6 200/400 Basic and HMISTW6 200/400 Web HMI panels
Top view
4. Battery slot (1)
5. Hook to hold panel in position during installation

Harmony HMIST6200 Basic and HMISTW6200 Web HMI panels
Underside view
6. Ethernet interface (ETH1)
7. Serial interface (RJ45, RS-232C/485) (COM1) (2)
8. Power plug connector

Harmony HMIST6400 Basic and HMISTW6400 Web HMI panels
Underside view
6. Ethernet interface (ETH2)
7. Ethernet interface (ETH1)
8. Serial interface (RJ-45, RS-485) (COM2) (3)
9. Serial interface (RS-232C) (COM1) (3)
10. Power plug connector

Harmony HMIST6 200/400 Basic and HMISTW6 200/400 Web HMI panels
Rear view
11. USB (Type A) interface
12. USB (Micro-B) interface

(1) For HMIST6 200/400 only.
(2) For HMIST6200 only.
(3) For HMIST6400 only.
Description (continued)

Harmony ST6
Basic and Web HMI panels
Panels with 10", 12", and 15" touchscreens

Description
Harmony HMIST6 500/600/700 Basic and HMISTW6 500/600/700 Web HMI panels
Front view
1. Single-touch resistive screen for displaying synoptic views
2. Multi-color status indicator (green, orange, and red) showing the panel's operating mode
3. Aluminum alloy front panel providing IP 66/67 protection when mounted on panel or enclosure door

Harmony HMIST6 500/600/700 Basic and HMISTW6 500/600/700 Web HMI panels
Top view
4. Hook to hold panel in position during installation

Harmony HMIST6 500/600/700 Basic and HMISTW6 500/600/700 Web HMI panels
Underside view
5. Battery slot (1)
6. Ethernet interface (ETH2)
7. Ethernet interface (ETH1)
8. Serial interface (RJ-45, RS-485) (COM2) (1)
9. Serial interface (RS-232C) (COM1) (1)
10. Power plug connector

Harmony HMIST6 500/600/700 Basic and HMISTW6 500/600/700 Web HMI panels
Rear view
11. USB (Type A) interface
12. USB (Micro-B) interface

(1) For HMIST6 500/600/700 only.
## Harmony ST6 Basic HMI panels

<table>
<thead>
<tr>
<th>Data entry method</th>
<th>Size</th>
<th>Resolution (pixels)</th>
<th>Colors</th>
<th>Device memory</th>
<th>User data memory</th>
<th>Number of ports</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Via touchscreen</td>
<td>4.3&quot; W</td>
<td>480 x 272</td>
<td>16 million colors</td>
<td>512 MB</td>
<td>128 MB</td>
<td>2x USB 1x COM 1 1x Ethernet</td>
<td>HMIST6200</td>
<td>0.400/0.880</td>
</tr>
<tr>
<td></td>
<td>7&quot; W</td>
<td>800 x 480 WVGA</td>
<td>16 million colors</td>
<td>1 GB</td>
<td>128 MB</td>
<td>2x USB 1x COM 1 1x COM 2 2x Ethernet</td>
<td>HMIST6400</td>
<td>0.800/1.760</td>
</tr>
<tr>
<td></td>
<td>10.1&quot; W</td>
<td>1,024 x 600 WSVGA</td>
<td>16 million colors</td>
<td>1 GB</td>
<td>128 MB</td>
<td>2x USB 1x COM 1 1x COM 2 1x Ethernet</td>
<td>HMIST6500</td>
<td>1.300/2.870</td>
</tr>
<tr>
<td></td>
<td>12.1&quot; W</td>
<td>1,280 x 800 WXGA</td>
<td>16 million colors</td>
<td>1 GB</td>
<td>128 MB</td>
<td>2x USB 1x COM 1 1x COM 2 2x Ethernet</td>
<td>HMIST6600</td>
<td>1.800/3.970</td>
</tr>
<tr>
<td></td>
<td>15.6&quot; W</td>
<td>1,366 x 768 FWXGA</td>
<td>16 million colors</td>
<td>1 GB</td>
<td>128 MB</td>
<td>2x USB 1x COM 1 1x COM 2 2x Ethernet</td>
<td>HMIST6700</td>
<td>2.700/5.950</td>
</tr>
</tbody>
</table>

## Harmony STW6 Web HMI panels

<table>
<thead>
<tr>
<th>Data entry method</th>
<th>Size</th>
<th>Resolution (pixels)</th>
<th>Colors</th>
<th>Device memory</th>
<th>User data memory</th>
<th>Number of ports</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Via touchscreen</td>
<td>4.3&quot; W</td>
<td>480 x 272</td>
<td>16 million colors</td>
<td>512 MB</td>
<td>512 MB</td>
<td>2x USB 1x Ethernet</td>
<td>HMISTW6200</td>
<td>0.400/0.880</td>
</tr>
<tr>
<td></td>
<td>7&quot; W</td>
<td>800 x 480 WVGA</td>
<td>16 million colors</td>
<td>512 MB</td>
<td>512 MB</td>
<td>2x USB 2x Ethernet</td>
<td>HMISTW6400</td>
<td>0.800/1.760</td>
</tr>
<tr>
<td></td>
<td>10.1&quot; W</td>
<td>1,024 x 600 WSVGA</td>
<td>16 million colors</td>
<td>512 MB</td>
<td>512 MB</td>
<td>2x USB 2x Ethernet</td>
<td>HMISTW6500</td>
<td>1.300/2.870</td>
</tr>
<tr>
<td></td>
<td>12.1&quot; W</td>
<td>1,280 x 800 WXGA</td>
<td>16 million colors</td>
<td>512 MB</td>
<td>512 MB</td>
<td>2x USB 2x Ethernet</td>
<td>HMISTW6600</td>
<td>1.800/3.970</td>
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<td></td>
<td>15.6&quot; W</td>
<td>1,366 x 768 FWXGA</td>
<td>16 million colors</td>
<td>512 MB</td>
<td>512 MB</td>
<td>2x USB 2x Ethernet</td>
<td>HMISTW6700</td>
<td>2.700/5.950</td>
</tr>
</tbody>
</table>
## Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Characteristics</th>
<th>Length m/ft</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB panel-mount extension cable</td>
<td>Extension cable for connecting USB interface to front panel</td>
<td>1/3.28</td>
<td>HMIZSUSBB2</td>
<td></td>
</tr>
<tr>
<td>USB front cable</td>
<td>Extension cable that attaches USB interface to front panel</td>
<td>–</td>
<td>XBTZGUSB</td>
<td></td>
</tr>
<tr>
<td>USB Type A clamp (1 port)</td>
<td>Clamp to prevent disconnection of USB cable (USB Type A, 1 port) (2)</td>
<td>–</td>
<td>HMIZGCLP1</td>
<td></td>
</tr>
</tbody>
</table>

## Separate parts (5 sheets/set)

<table>
<thead>
<tr>
<th>Description</th>
<th>Characteristics</th>
<th>Compatible with terminals</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen protection sheet</td>
<td>Disposable, dirt-resistant sheet</td>
<td>HMIST6200/HMISTW6200</td>
<td>HMIZG60W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disposable, dirt-resistant sheet</td>
<td>HMIST6400/HMISTW6400</td>
<td>HMIZG63W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disposable, dirt-resistant sheet</td>
<td>HMIST6500/HMISTW6500</td>
<td>HMIZG65W1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disposable, dirt-resistant sheet</td>
<td>HMIST6600/HMISTW6600</td>
<td>HMIZD66W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disposable, dirt-resistant sheet</td>
<td>HMIST6700/HMISTW6700</td>
<td>HMIZG67W</td>
<td></td>
</tr>
<tr>
<td>Spring clip</td>
<td>Fasteners to attach this product to the mounting surface</td>
<td>HMIST6200/HMISTW6200</td>
<td>XBTZ3002</td>
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## Spare parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Characteristics</th>
<th>Compatible with terminals</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation fastener</td>
<td>Installation fastener</td>
<td>HMIST6200/HMISTW6200</td>
<td>HMIZSFIX2</td>
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<tr>
<td></td>
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<td>HMIST6400/HMISTW6400</td>
<td>HMIZSFIXTF1 (1)</td>
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<tr>
<td></td>
<td></td>
<td>HMIST6500/HMISTW6500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIST6600/HMISTW6600</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIST6700/HMISTW6700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation gasket</td>
<td>Provides dust and moisture resistance when this product is installed in a solid panel</td>
<td>HMIST6200/HMISTW6200</td>
<td>HMIZS51W1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIST6400/HMISTW6400</td>
<td>HMIZS53W1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIST6500/HMISTW6500</td>
<td>HMIZS55W1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIST6600/HMISTW6600</td>
<td>HMIZS56W1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIST6700/HMISTW6700</td>
<td>HMIZS57W1</td>
<td></td>
</tr>
</tbody>
</table>

| DC power supply connector                       | Connector to connect DC power supply cables          | All terminals             | XBTZGPWS1     |              |
| Replacement battery                             | Primary battery for time data backup                 | HMIST6 terminals         | HMIZSBA1      |              |

(1) 2 pieces/set for HMIST6400/HMIST6500/HMIST6600 and 3 pieces/set for HMIST6700.
(2) 5 clamps/set.
Connections

Harmony ST6
Basic and Web HMI panels
Connection system

XBTGT11●5 terminals, HMIST6 terminals, and Schneider Electric products

- XBTZG939
- XBTZ9710, 9-way SUB-D
- Modicon Quantum
- XBTZ9711, RJ45
- Modicon Momentum M1
- XBTZ988, HE 13
- Modicon STB

- XBTZ980, mini-DIN
- Nano
- XBT982, mini-DIN
- Modicon TSX Micro
- XBTZ986, 8-way mini-DIN
- Modicon Premium
- XBTZ988, 8-way mini-DIN
- TSXPACC01
- XBTZ9881, 8-way mini-DIN
- ATV 31/61/71
- XBTZ9880, 8-way mini-DIN
- ATS48
- TSXSCY2160●
- XBTZ9880, 8-way mini-DIN
- Lexium05
- XBTZ9880, 8-way mini-DIN
- L9U9GC3

- VW3A8306, 15-way SUB-D
- TSXSCA62/64 (box)
- VW3A8306TF10 (T-junction)

- XBTZ908, 15-way SUB-D
- Modicon M340

- VW3A8306, 15-way SUB-D
- Modicon M340

- VW3A8306TF10 (T-junction)
- Modicon M340

- VW3A8306TF10 (T-junction)
- Modicon M23B/M258

- BMXXCUSBH018
- Modicon M340
**Connections (continued)**

**Harmony ST6**
Basic and Web HMI panels
Connection system

**XBTGT2●●0/GT7340/GK●●● terminals, HMIST6 terminals, and Schneider Electric products**

- **990NAA 26320, 9-way SUB-D**
- **XBTZ9710, 9-way SUB-D**
- **XBTZ9711, RJ45**
- **XBTZ988, HE 13**
- **STBXCA 4002, HE 13**
- **TSXPCX 1031, mini-DIN**
- **XBTZ9018, mini-DIN**
- **XBTZ9008**
- **XBTZ968, 8-way mini-DIN**
- **XBTZ968i, 8-way mini-DIN (2)**
- **XBTZ9780, 8-way mini-DIN**
- **XBTZ9782**
- **VW3A8306 R●0, RJ45**
- **XBTZ938, RJ45**
- **XBTZ9980**
- **XBTZ918, 25-way SUB-D**
- **XBTZ908, 15-way SUB-D**
- **VW3A8306, 15-way SUB-D**
- **XBTZ9982**
- **XBTZ9980**
- **BMXXCAUSBH018**

- **Modicon Quantum**
- **Momentum M1**
- **Modicon STB**
- **Modicon M340**
- **Nano**
- **Modicon TSX Micro**
- **Modicon Premium**
- **TSXPACC 01 (box)**
- **TeSys U**
- **ATV31/61/71**
- **ATS48**
- **Lexium05**
- **LU9GC3 (splitter box)**
- **Modicon Quantum**
- **TSXSCY2160i**
- **TSXSCA62/64**
- **VW3A8306TF10 (T-junction)**
- **VW3A8306TF16 (T-junction)**
- **Modicon M238/M258**
- **Modicon M340**
- **Modicon M340**

(1) RS-485 not available for HMIST6 (COM1).
(2) ● defines the length:
- 0: 2.5 m/8.2 ft (elbowed connector)
- 1: 5 m/16.4 ft
- 6: 16 m/52.5 ft
- 7: 20 m/65.6 ft
- 8: 25 m/82 ft
(3) Except HMIST6200.
### XBTGT11●5 terminals, HMIST6 terminals, and third-party PLCs

<table>
<thead>
<tr>
<th>XBTZG939</th>
<th>XBTZ9740, 9-way SUB-D</th>
<th>Omron, Sysmac Link (SIO)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>XBTZ9750, mini-DIN 8</td>
<td>Mitsubishi FX CPU</td>
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<td></td>
<td>User cable</td>
<td>Mitsubishi, Melsec</td>
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<tr>
<td>XBTZ9731, 8-way mini-DIN</td>
<td>Rockwell Micro-Logix, DF1-Full Duplex</td>
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<tr>
<td>XBTZ9733, 8-way mini-DIN</td>
<td>Rockwell SLC5, DF1 &amp; DH 485</td>
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<td>XBTZ9734, 9-way SUB-D</td>
<td>Rockwell Micro-Logix, DH 485</td>
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<td>VW3A8306 D30, fly. leads</td>
<td>Siemens S7, PPI</td>
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<td>XBTZ9721, 9-way SUB-D</td>
<td>Siemens S7, PPI</td>
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### Application transfer from HMIST6 terminals to PC

<table>
<thead>
<tr>
<th>USB Type A</th>
<th>XBTZG935</th>
<th>USB port</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Micro-B</td>
<td>HMIZ936</td>
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</table>

**Connections (continued)**

Harmony ST6
Basic and Web HMI panels
Connection system

[Diagram of connections and interfaces]
XBTGT2••0/GT7340/GK•••• terminals, HMIST6 terminals, and third-party PLCs

Connections

Harmony ST6
Basic and Web HMI panels
Connection system

XBTZGCOM1

XBTZG979, terminals
Mitsubishi FX CPU, A CPU, Ana CPU, Melsec

XBTZG9779, fly leads
Mitsubishi FX CPU, Melsec

XBTZG9775, 8-way mini-DIN
RS 422 serial devices

XBTZG949, terminals
RS 422 serial devices

XBTZG9122, fly leads
Mitsubishi FX CPU

XBTZG9773, 25-way SUB-D
Omron QM1, CVM1, Sysmac

HMIZ951
Mitsubishi FX CPU

XBTZG9731, 25-way SUB-D
Mitsubishi A Link, Melsec

XBTZG9732, 9-way SUB-D
Rockwell, DF1-Full Duplex

XBTZG9740, 9-way SUB-D
Siemens S7, Simatic MPI

XBTZG9729, fly leads
Siemens S7, Simatic PPI

XBTZG9720, 9-way SUB-D
Siemens S7, Simatic PPI & MPI

XBTZG9730, 9-way SUB-D
Siemens S7, Simatic PPI

XBTZG9731, 25-way SUB-D
Siemens S7, Simatic PPI

XBTZG9720, 25-way SUB-D
Siemens S7, Simatic PPI & MPI

XBTZG9740, 9-way SUB-D
Siemens S7, Simatic PPI & MPI

XBTZG9740, 9-way SUB-D
Siemens S7, Simatic PPI & MPI

(1) RS-422 and RS-425 not available on HMIST6 (COM1).
(2) Except HMIST6200.
# Index

## Product reference index

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<td>HMIST6200</td>
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<tr>
<td>XBTZ3002</td>
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