

Description

The HT 8 mobile handheld terminal combines the functions of an operator panel and a machine control panel in one device, permitting complete operator control and monitoring of machines. It can be used according to the principle of a thin client (also see "Operator panels", Chapter: "Thin client unit") as a supplementary main operator panel or as a secondary control panel.

The optional touch pen with a holding loop permits easy operation of the touch screen, even when operators are wearing gloves. Its safety concept permits working in the hazardous area of the machine, which is necessary, for example, when teaching in.

Note

Siemens AG herewith declares that this device complies with the requirements and other regulations of the directives 2006/42/EC (Machinery Directive) and 2014/30/EU (EMC Directive).

The full declaration can be found on the Internet (<https://support.industry.siemens.com/cs/document/109476859?dti=0&lc=en-WW>).

Features

- Operator control via touch screen and membrane keys
- Fully graphic 7.5" TFT color display
- Emergency stop button and two acknowledgment buttons for left-handed and right-handed operators
- Easy hot swapping during operation (hot plug and play), without triggering the emergency stop in combination with the PN Plus connection box and without an additional, manual actuating element / keyswitch

The HT 8 can be safely kept and operated in a stationary manner in the wall holder (accessory).

Validity

The following description applies to the following components:

Designation	Features	Article number
HT 8	Enabling button, emergency stop button, override rotary switch	6FC5403-0AA20-0AA1
HT 8	Enabling button, emergency stop button, override rotary switch, handwheel	6FC5403-0AA20-1AA1

The safety-related accessories are marked in the "Accessories" section with a *).

Technical specifications

10.1 Handheld Terminal HT 8

HT 8 handheld terminal

Safety		
Safety class	III according to EN 61131-2 / EN 50178	
Degree of protection according to EN 60529	IP65	
Approvals	CE / cULus	
Electrical data		
Input voltage	24 V DC	
Current carrying capacity	Enabling button:	10 - 250 mA / 2-channel, 3-stage
	Emergency stop button:	10 - 1000 mA / 2-channel
Max. current carrying capacity	USB interface:	100 mA
Power consumption, max.	Approx. 13 W	
Mechanical data		
Dimensions	Diameter: Approx. 290 mm	Height: Approx. 126 mm
Weight	Approx. 1730 g	
Fall height, max.	1.20 m	
Display		
Size	7.5" TFT	
Resolution	640 x 480 pixels	
Service life	At ambient temperatures of > 40° C and long periods of non-use, it is advisable to activate the screen saver function.	

Note

Information about the climatic and mechanical environmental conditions is contained in the associated section under:

"General notes and interconnection" → "Operational planning".

Emergency stop button

Rated voltage	24 V DC
Current rating, max.	1 A
Current rating, min.	10 mA
Switching capacity	DC 13 according to EN 60947-5-1