

SIMATIC HMI IM-315A multi-touch industrial monitor 15" (resolution 1920 x 1080)  
power supply; 12/24 V DC 1 x DP, 1 x HDMI 1 x USB type A & 1 x USB type



General information	
Product type designation	SIMATIC HMI IM-315A
Short designation	IM-315A
Display	
Design of display	15.6" full HD display in 16:9 format
Screen diagonal	15.6 in
Display width	344.2 mm
Display height	193.6 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 000 000; 16 million
Viewing angle	178° x 178°
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
General features	
• Brightness/contrast	350 cd/m <sup>2</sup> / 1 000:1
• Detachable from computer unit	5 m
• Luminance	350 cd/m <sup>2</sup>
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h
• Backlight dimmable	Yes; 10 ... 100%
Control elements	
Input device	
• Integrated mouse cursor control	No
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Design as multi-touch screen	Yes
Installation type/mounting	
VESA mounting	Yes; VESA 100 x 100
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
Supply voltage	
Type of supply voltage	12-24 V DC
Rated value (DC)	24 V; 12/24 V DC
permissible range, lower limit (DC)	9 V

permissible range, upper limit (DC)	36 V	
<b>Input current</b>		
current consumption (for rated value of supply voltage), min.	0.46 A	
current consumption (for rated value of supply voltage), max.	1.8 A	
Starting current inrush I <sup>2</sup> t	0.1 A <sup>2</sup> s	
<b>Power loss</b>		
Power loss, typ.	16.5 W	
Power loss, max.	19 W	
<b>Interfaces</b>		
Number of USB interfaces	1; USB 2.0	
USB on the rear	Yes; 1x onboard	
<b>Video interfaces</b>		
• DisplayPort	Yes; Display port V1.2	
<b>Touch interfaces</b>		
• USB	Yes; USB 2.0	
<b>Degree and class of protection</b>		
IP (at the front)	IP65	
IP (rear)	IP40 (cabinet mounting) / IP20 (VESA)	
<b>Standards, approvals, certificates</b>		
CE mark	Yes; also UKCA	
RCM (formerly C-TICK)	Yes	
FCC	Yes	
EMC	CE, EN 61000-6-4, EN 61000-6-2	
<b>Ambient conditions</b>		
<b>Ambient temperature during operation</b>		
• min.	0 °C	
• max.	60 °C	
<b>Ambient temperature during storage/transportation</b>		
• min.	-20 °C	
• max.	70 °C	
<b>Relative humidity</b>		
• Operation, max.	85 %; no condensation	
<b>Vibrations</b>		
• Vibration load in operation	1 gn	
• Vibration load during transport/storage	1 gn	
<b>Shock testing</b>		
• Shock load during operation	150 m/s <sup>2</sup>	
• shock acceleration during storage/transport	250 m/s <sup>2</sup>	
<b>Mechanics/material</b>		
<b>Enclosure material (front)</b>		
• Aluminum	Yes	
• Glass	Yes	
<b>Dimensions</b>		
Width of the housing front	398 mm	
Height of housing front	257 mm	
Mounting cutout, width	382 mm	
Mounting cutout, height	241 mm	
mounting depth	47 mm	
<b>Weights</b>		
Weight (without packaging)	2.8 kg	
Weight (with packaging)	3.9 kg	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	14	19-20-02-01
eClass	12	19-20-02-01
eClass	9.1	19-20-02-01
eClass	9	19-20-02-01

eClass	8	19-20-02-01
eClass	7.1	19-20-02-01
eClass	6	19-20-02-01
ETIM	10	EC004862
ETIM	9	EC001428
ETIM	8	EC001428
ETIM	7	EC001428

**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)



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<b>General Product Approval</b>	<b>EMV</b>	<b>Environment</b>
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