DATASHEET - XV-363-12-C00-A00-1B

Single touch display, 12-inch display, 24 VDC, IR, 800 x 600 pixels, 2x Ethernet, 1x RS232, 1x RS485, 1x CAN, PLC function can be fitted by user

Powering Business Worldwide

Part no. XV-363-12-C00-A00-1B
197666

Product name	Eaton XV-363 Touch panel
Part no.	XV-363-12-C00-A00-1B
EAN	7640130099395
Product Length/Depth	361 millimetre
Product height	100 millimetre
Product width	279 millimetre
Product weight	2.2 kilogram
Certifications	EAC IEC/EN 61131-2 EN 50178
Product Tradename	XV-363
Product Type	Touch panel
Product Sub Type	None
Catalog Notes	Current consumption at 24 V DC
Features	Portrait format RS232 CAN RS485 Ethernet interface PLC function can be fitted by user USB Host Fanless CPU and system cooling, natural convection-based passive cooling USB device Slot for SD card
Fitted with:	Message system (incl. buffer and confirmation) Recipes 1 x USB device (built-in interface) 2 x Ethernet 10/100 Mbps (built-in interface) Alpha numeric keyboard 1 x USB host 2.0 (built-in interface) 1 x RS232 (built-in interface) Message indication 1 x RS485 (built-in interface) Color display 1 x CAN (built-in interfaces) Numeric keyboard
Functions	Process value representation (output) possible Additional software components, loadable Process default value (input) possible
Battery runtime	Back-up of real-time clock: BR 2330, non-replaceable (soldered)
Degree of protection	IP20, rear (according to EN 60529-1)
Degree of protection (front side)	IP65 NEMA 12
Fuse type	Built-in fuse (not accessible)
Model	Metal enclosure and glass front in aluminum frame
Mounting method	Flush mounting - Clearance: Width x Height x Depth ≥ 30 mm (1.18") Flush mounting
Product category	XV-300
RoHs conformity	Yes
Software	XSOFT-CODESYS, Visualisation software, Engineering GALILEO, Visualisation software, Engineering XSOFT-CODESYS-2, PLC-Programming software, Engineering XSOFT-CODESYS-3, PLC-Programming software, Engineering
Type	HMI (SPS function, retrofittable)
Voltage type	DC
Shock resistance	15 g, 11 ms, Mechanical

Air pressure	795 - 1080 hPa (operation)
Ambient operating temperature - min	0 °C
Ambient operating temperature - max	50 °C
Ambient storage temperature - min	-20 °C
Ambient storage temperature - max	60 °C
Climatic proofing	Cold to EN 60068-2-1 Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3
Environmental conditions	Condensation: Non-condensing
Operating temperature - min	0 °C
Operating temperature - max	50 °C
Relative humidity	10 - 95 % (non-condensing)
Interference immunity	According to EN 61000-6-2
Radio interference class	Class A (EN 55011)
Voltage dips	≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
Permissible voltage	19.2 - 30 V DC, effective (rated operating voltage -20 %/+25 %) 18 - 31.2 V DC, battery powered (rated operating voltage -25 %/+30 %) 35 V DC (for a duration of < 100 ms) 19.2 - 30 V DC, absolute with ripple
Power consumption	Max 20.5 W
Rated operational voltage	24 V DC (power-supply - safety extra low voltage)
Supply voltage at AC, 50 Hz - min	0 V AC
Supply voltage at AC, 50 Hz - max	0 V AC
Supply voltage at DC - min	19.2 V DC
Supply voltage at DC - max	30 V DC
Interfaces	USB 2.0 device (not galvanically isolated) 10/100 Mbps Ethernet connection USB 2.0 host (not galvanically isolated) CAN (not galvanically isolated, 9-pin SUB-D plug, UNC) RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC)
Number of slots	1 (for SD-Card)
Protocol	Other bus systems MODBUS PROFIBUS TCP/IP EtherNet/IP CAN
Display contrast ratio	500:1
Display size	246 x 185 mm 4:3
Display type	Laminated safety glass, anti-glare in aluminum frame TFT Color display, TFT
Number of colors of the display	65536
Resolution	800 x 600 px
Screen size (diagonal)	12.1 in
Touch technology	Infrared touch Single-touch display Laminated safety glass, non-reflective, Infrared touch protective screen
Backup time	10 years, typ. (time at zero voltage)
Memory	NVRAM: 128kByte Retain Flash: 1 GByte SLC DRAM: 512 MByte RAM SD card, Type: SDSC, SDHC (external memory)
Memory capacity	512,000 kByte
Operating system	Windows Embedded Compact 7 Pro
Processor	ARM Cortex-A9 800 MHz

Heat dissipation capacity Pdiss			0 W
Heat dissipation per pole, current-dependent Pvid			0 W
Static heat dissipation, non-current-dependent Pvs			20.5 W
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of assemblies			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

Programmable logic controllers PLC (EG000024) / Graphic panel (EC001412)		
Electric engineering, automation, process control engineering / Display and control component / Panel (HMI) / Graphic panel (HMI) (ecl@ss10.0.1-27-33-02-01 [AFX016003])		
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	19.2 - 30
Voltage type of supply voltage		DC
Number of HW-interfaces industrial Ethernet		2
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		1
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		1
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		2
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		2
With SW interfaces		No
Supporting protocol for TCP/IP		Yes
Supporting protocol for PROFIBUS		Yes
Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for Modbus		Yes
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No

Supporting protocol for LON		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		Yes
Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for DeviceNet Safety		No
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for other bus systems		Yes
Radio standard Bluetooth		No
Radio standard Wi-Fi 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No
IO link master		No
Type of display		TFT
With colour display		Yes
Number of colours of the display		65,536
Number of grey-scales/blue-scales of display		0
Screen diagonal	inch	12.1
Number of pixels, horizontal		800
Number of pixels, vertical		600
Useful project memory/user memory	kByte	512,000
With numeric keyboard		Yes
With alpha numeric keyboard		Yes
Number of function buttons, programmable		0
Number of buttons with LED		0
Number of system buttons		1
Touch technology		Infrared touch
With message indication		Yes
With message system (incl. buffer and confirmation)		Yes
Process value representation (output) possible		Yes
Process default value (input) possible		Yes
With recipes		Yes
Number of password levels		200
With printer output		No
Number of online languages		100
Additional software components, loadable		Yes
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		12
Operating temperature	°C	0 - 50
Rail mounting possible		No
Wall mounting/direct mounting		No
Suitable for safety functions		No
Width of the front	mm	361.2
Height of the front	mm	279.2
Built-in depth	mm	63

© 04/2023 by Eaton Industries GmbH