DATASHEET - XV-363-12-C02-A00-1B

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

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| Part no. | XV-363-12-C02-A00-1B |
| | 197669 |

Product name			Eaton XV-363 Touch panel
Part no.			XV-363-12-C02-A00-1B
EAN			7640130099401
Product Length/Depth			361 millimetre
Product height			100 millimetre
Product width			279 millimetre
Product weight			2.2 kilogram
Certifications			EAC
			EN 50178
			IEC/EN 61131-2
Product Tradename			XV-363
Product Type			Touch panel
Product Sub Type			None
Catalog Notes			Current consumption at 24 V DC
Features			USB device
			USB Host
			Ethernet interface
			PLC function can be fitted by user
			CAN
			Fanless CPU and system cooling, natural convection-based passive cooling
			Portrait format
			RS232
			Slot for SD card
			RS485
Fitted with:			Recipes
			1 x USB device (built-in interface)
			1 x RS485 (built-in interface)
			Message system (incl. buffer and confirmation)
			1 x CAN (built-in interfaces)
			MPI interface
			Numeric keyboard
			Color display
			Message indication
			1 x PROFIBUS (built-in interface)
			1 x RS232 (built-in interface)
			1 x USB host 2.0 (built-in interface)
			2 x Ethernet 10/100 Mbps (built-in interface)
			Alpha numeric keyboard
Functions			Additional software components, loadable
			Process default value (input) possible
			Process value representation (output) 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
			XSOFT-CODESYS-2, PLC-Programming software, Engineering
			GALILEO, Visualisation 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		Dry heat to IEC 60068-2-2 Cold to EN 60068-2-1 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		5 ms from undervoltage (19.2 V DC) ≤ 10 ms from rated voltage (24 V DC)
Permissible voltage		19.2 - 30 V DC, absolute with ripple 35 V DC (for a duration of < 100 ms) 18 - 31.2 V DC, battery powered (rated operating voltage -25 %/+30 %) 19.2 - 30 V DC, effective (rated operating voltage -20 %/+25 %)
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
Communication interface		PROFIBUS-DP, not galvanically isolated, 9 pole SUB-D socket, UNC
Interfaces		USB 2.0 host (not galvanically isolated) CAN (not galvanically isolated, 9-pin SUB-D plug, UNC) 10/100 Mbps Ethernet connection RS232 (not galvanically isolated, 9-pin SUB-D plug, UNC) RS485 (not galvanically isolated, 9-pin SUB-D plug, UNC) USB 2.0 device (not galvanically isolated)
Number of slots		1 (for SD-Card)
Protocol		EtherNet/IP MODBUS Other bus systems TCP/IP CAN PROFIBUS
Display contrast ratio		500:1
Display size		4:3 246 x 185 mm
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		Laminated safety glass, non-reflective, Infrared touch protective screen Infrared touch Single-touch display
Backup time		10 years, typ. (time at zero voltage)
Memory		SD card, Type: SDSC, SDHC (external memory) NVRAM: 128kByte Retain DRAM: 512 MByte RAM Flash: 1 GByte SLC
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		3
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