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

Powering Business Worldwide

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

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