DATASHEET - XV-102-D8-57TVRC-10



Touch panel, 24 V DC, 5.7z, TFTcolor, ethernet, RS232, RS485, profibus, PLC

XV-102-D8-57TVRC-10 142534

4521119

Powering Business Worldwide^{**}

EL-Nummer (Norway)

Part no. Catalog No.

Delivery program

bonnon) program		
Product range		XV100 5.7"
Product range		XV-102
Function		HMI-PLC (integrated SPS function)
Common features of the model series		Ethernet interface USB device USB Host Slot for SD card UL508, cUL approvals
Display - Type		Color display, TFT
Touch-technology		Resistive-Touch
Number of colours		64 k Colours
Resolution	Piz	VGA 640 x 480
Portrait format		yes
Screen diagonal	In	nch 5.7
Model		Insulating enclosure and front plate
Operating system		Windows CE 5.0 (licence incl.)
PLC-licence		PLC licence inclusive
License certificates for onboard interfaces		Can be expanded as required, see Accessories -> License product certificates
built-in interfaces		1 x Ethernet 10/100 Mbps 1 x USB device 1 x PROFIBUS/MPI 1 x RS232 1 x RS485 1 x USB host 2.0
Front type		Standard front with standard membrane (fully enclosed)
Utilization		Flush mounting
Slots		for SD card: 1
Memory card automation		Optionally with SD card -> article no. 139807
Pluggable communication cards (optional)		no
Touch sensor		Glass with film
Heat dissipation	W	N 9.5

Technical data

	Color display, TFT
Inch	5.7
Pixel	VGA 640 × 480
mm	115 x 86
	64 k Colours
	Normally 300:1
cd/m ²	Normally 250
	LED dimmable via software
h	Normally 40000
	Touch sensor (glass with foil)
	Resistive-Touch 4 wire
	Glass with film
	Pixel mm cd/m ²

System

RISC CPU, 32 Bit, 400 MHz
DRAM (OS, Program and data memory): 64 MByte NAND-Flash (can be used for data backup): approx. 128 MByte available NVRAM (retained data): approx. 32 KByte available
SD Memory Card Slot: SDA Specification 1.00
Fanless CPU and system cooling, natural convection-based passive cooling
non-replaceable, CR2032 soldered in
Normally 10 years
GALILEO EPAM XSOFT-CODESYS-2 XSOFT-CODESYS-3
XSOFT-CODESYS-2 XSOFT-CODESYS-3
PLC licence inclusive
Windows CE 5.0 (licence incl.)
1 x Ethernet 10/100 Mbps 1 x USB device 1 x PROFIBUS/MPI 1 x RS232 1 x RS485 1 x USB host 2.0
USB 2.0 (1.5 - 12 Mbit/s), not galvanically isolated
USB 2.0, not galvanically isolated
RS-232, not galvanically isolated (SUB-D plug 9 pole, UNC)
RS-485, not galvanically isolated (SUB-D plug 9 pole, UNC)
PROFIBUS, not galvanically isolated, max. 1.5 MBit/s (SUB-D socket 9 pole, UNC
for SD card: 1
100Base-TX/10Base-T
24 V DC SELV (safety extra low voltage)
Effective: 19.2-30.0 V DC (rated operating voltage -20%/+25%) Absolute with ripple: 18,0-31,2 V DC Battery powered: 18,0-31,2 V DC (rated operating voltage -25%/+30%) 35 V DC for a duration of < 100 ms
ms ≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
P _{max.} W 10
Basic device USB Slave to USB Host: 2.5 Total: 9.5
W 9.5
Heat dissipation with power consumption for 24 V 7 W for basic device + 2.5 W for USB module
yes
Yes (fuse not accessible)
no potential isolation
Plastic, gray
Inclination from vertical: ±45° (if using natural convection)
EAC
kg 0.6 3G 4) IP65 (at front), IP20 (at rear) CUL (UL508)

			ARITIME
Applied standards and directives			
EMC			(in relation to CE) EN 61000-6-2 EN 61000-6-4 EN 61131-2
Product standards			EN 50178 EN 61131-2
Security			EN 60950 UL 60950
Mechanical shock resistance		g	according to IEC 60068-2-27
Vibration			according to IEC/EN 60068-2-6
RoHS			conform
Environmental conditions			
Climatic environmental conditions			
Air pressure (operation)		hPa	795 - 1080
Temperature			
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	+ 50
Relative humidity			
Relative humidity			10 - 95%, non-condensing
Supply voltage U _{Aux}			
Rated operational voltage	U _{Aux}	V	24 V DC (-20/+25%)
Protection against polarity reversal			Yes
Potential isolation			No
Supply voltage U _{Pow}			
Supply voltage	U _{Pow}	V	24 DC -20 % + 25 %
Input voltage ripple		%	≦5
Protection against polarity reversal			yes
rocontin againet polarity rocontai			

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	9.5
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	50
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties	
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 7.0

PLC's (EG000024) / Graphic panel (EC001412)

Suppivalsa ACS 11AIIISuppivalsa ACS 11AIIISuppivalsa ACS 11AIIISuppivalsa COB INCOMIIINumber IIM matches industrial famatiIIINumber IIM matches SubscriptionIIINumber IIM matches Subscription<	PLC's (EG000024) / Graphic panel (EC001412)		
Non-Non-Non-Supply valuesV0Supply valuesV0Values type of supply valuesV0Number of Marinetics isolatural ElementV0Number of Marinetics isolatural ElementV0Number of Marinetics isolatural ElementV0Number of Marinetics Stat2V0Number of Marinetics Stat2V0Supporting protocol for MDRINGVVSupporting protocol for MorineticsVNSupporting protocol for Morinetics	Electric engineering, automation, process control engineering / Display and control co	omponent / Panel (HM	II) / Graphic panel (HMI) (ecl@ss10.0.1-27-33-02-01 [AFX016003])
Upper Upper DiameterUpper Upper Upp	Supply voltage AC 50 Hz	V	0 - 0
Number of Mivinitrates induitablement Image of Mivinitrates induitablement Image of Mivinitrates induitablement Number of Mivinitrates IS-32 0 Number of Mivinitrates IS-345 0 Number of Mivinitrates IS-345 0 Number of Mivinitrates USB 0 Supporting protocol for FAPOP IBUS Vertification Supporting protocol for FAPOP IBUS Vertification Supporting protocol for MADBUS No Supporting protocol for MADBUS No Supporting protocol for MADBUS No <td>Supply voltage AC 60 Hz</td> <td>V</td> <td>0 - 0</td>	Supply voltage AC 60 Hz	V	0 - 0
Number of HW-interfaces Routed 0 Number of HW-interfaces RS-222 0 Number of HW-interfaces RS-435 0 Number of HW-interfaces SHA 0 Supporting protocol for FOPIP 0 Number of HW-interfaces SHA Yes Supporting protocol for FOPINS Yes Supporting protocol for INTERDS No Supporting protocol for MODBUS Yes Supporting protocol for NDORUS No Supporting protocol for PDORUNET CBA </td <td>Supply voltage DC</td> <td>V</td> <td>20.4 - 28.8</td>	Supply voltage DC	V	20.4 - 28.8
Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Number of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Supporting protocol for PMDFIBUSImage: Participation of HW-interfaces R5.232Image: Participation of HW-interfaces R5.232Supporting protocol for KTKNImage: Participation of HW-Interfaces R5.232Image: Participation of HW-Interfaces R5.232Supporting protocol for SUDONFImage: Participation of HW-Interfaces R5.232Image: Participation of HW-Interfaces R5.232Supporting protocol for FMDFIBUSImage: Participation of HW-Interfaces R5.232Image: Participation of HW-Interfaces R5.232Supporting protocol for KTKNImage: Participation of HW-Interfaces R5.232Image: Participation of HW-Interfaces R5.232Supporting protocol for KTKN	Voltage type of supply voltage		DC
Number of W-interfaces R5 222 Image: Status of W-interfaces R5 422 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Number of W-interfaces R5 423 Image: Status of W-interfaces R5 423 Supporting protocol for CP/IP Image: Status of W-interfaces R5 423 Supporting protocol for CAN Image: Status of W-interfaces R5 423 Supporting protocol for CAN Image: Status of W-interfaces R5 423 Supporting protocol for CAN Image: Status of W-interfaces R5 423 Supporting protocol for CAN Image: Status of W-interfaces R5 423 Supporting protocol for CAN Image: Status of W-interfaces R5 423 Supporting protocol for KDUS Image: Status of W-interfaces R5 423 Supporting protocol for KDUS Image: Status of W-interfaces R5 423 Supporting protocol for KDUS Image: Status of W-interfaces R5 423 Supporting protocol for KDUS Image: Status of W-interfaces R5 423	Number of HW-interfaces industrial Ethernet		1
Number of HW-interfaces RS-422INumber of HW-interfaces RS-485INumber of HW-interfaces RS-485INumber of HW-interfaces uSSINumber of HW-interfaces satial TYINumber of HW-interfaces satial TYINumber of HW-interfaces satial TYINumber of HW-interfaces parallelINumber of HW-interfaces parallelINumber of HW-interfaces threadISupporting protocol for TDP/PISupporting protocol for TDP/RISupporting protocol for ANISupporting protocol for DNUISupporting protocol for DNUISupporting protocol for FDNT IOISupporting protocol for FDNT IOISupporting protocol for FDNT IOISupporting protocol for FDNT IOISupporting protocol for SAS-INET (IGISupporting protocol for SAS-INET (IGI	Number of interfaces PROFINET		0
Number of HW-intrafaces RS-485 I I Number of HW-intrafaces serial TY I I Number of HW-intrafaces Mredes I I Supporting protocol for CAN I I Supporting protocol for CAN I I Supporting protocol for ASI I I Supporting protocol for MADBUS I I Supporting protocol for Data-Highway I I Supporting protocol for ASI I I I Supporting protocol for ASI I I I <	Number of HW-interfaces RS-232		1
Number of HW-interfaces strait TY Image: Strait Signed	Number of HW-interfaces RS-422		0
Number of HW-interfaces USB 2 Number of HW-interfaces Wireless 0 Supporting roticol for TCP/IP 1 Supporting protocol for TCP/IP Yes Supporting protocol for TCP/IP No Supporting protocol for TASI No Supporting protocol for MDBUS No Supporting protocol for SuCONET No Supporting protocol for TCP/IP No Supporting protocol for TCP/IP/IP No Supporting protocol fo	Number of HW-interfaces RS-485		1
Number of HW-interfaces Wireless 0 Number of HW-interfaces Wireless 0 Number of HW-interfaces Wireless 0 Supporting protocol for CP(P)F Fes Supporting protocol for DaviceM Fes Supporting protocol for SPROFINET OB Fes Supporting protocol for SPROFINET OB Fes	Number of HW-interfaces serial TTY		0
Number of HW-interfaces Wireless 0 1 Number of HW-interfaces other 0 9 Supporting protocol for TCP/IP 6 9 Supporting protocol for TCP/IP 6 9 Supporting protocol for TCP/IP 6 9 Supporting protocol for TAPROFIBUS 6 9 Supporting protocol for INTERBUS 6 9 Supporting protocol for NTERBUS 6 9 Supporting protocol for NDBUS 6 9 Supporting protocol for NDBUS 7 9 Supporting protocol for DOBUS 7 9 Supporting protocol for SUCONET 7 9 Supporting protocol for FDROFINET CBA 7 9 <	Number of HW-interfaces USB		2
Number of HW-interfaces other I With SW interfaces Yes Supporting protocol for TCP/IP No Supporting protocol for NTCP/IP No Supporting protocol for NTCP/IP No Supporting protocol for NTCP/IP No Supporting protocol for ASI No Supporting protocol for ASI No Supporting protocol for ASI No Supporting protocol for Data-Highway No Supporting protocol for Data-Highway No Supporting protocol for CPNETON No Supporting protocol for PROFINET ON No Supporting protocol for SERCOS No Supporting protocol for SERCOS No Supporting protocol for CPNet/FITO No Supporting protocol for CPNet/FITO No Supporting protocol for CPNet/FITO No Suppor	Number of HW-interfaces parallel		0
With SW interfacesYesSupporting protocol for TCP/IPYesSupporting protocol for CANNoSupporting protocol for CANNoSupporting protocol for ASINoSupporting protocol for ASINoSupporting protocol for ADNNoSupporting protocol for Data-HighwayNoSupporting protocol for ADNNoSupporting protocol for PADINET TONoSupporting protocol for PADINET TONoSupporting protocol for ADNNoSupporting protocol for ADNNoSupporting protocol for ADNNoSupporting protocol for PADINET TONoSupporting protocol for ADNNoSupporting protocol for ADNNNo	Number of HW-interfaces Wireless		0
Supporting protocol for TCP/IPYesSupporting protocol for PROFIBUSYesSupporting protocol for CANNoSupporting protocol for INTERBUSNoSupporting protocol for NNNoSupporting protocol for NNYesSupporting protocol for NNYesSupporting protocol for Dat-HighwayNoSupporting protocol for SUGONETNoSupporting protocol for SUGONETNoSupporting protocol for PROFINET IONoSupporting protocol for PROFINET IONoSupporting protocol for SUGONETNoSupporting protocol for SUGONETNo	Number of HW-interfaces other		1
Supporting protocol for PROFIBUSYesSupporting protocol for CANNoSupporting protocol for INTERBUSNoSupporting protocol for NXXNoSupporting protocol for KNXNoSupporting protocol for KNXNoSupporting protocol for ADDBUSVesSupporting protocol for ADDBUSNoSupporting protocol for SuperviseNoSupporting protocol for Data-HighwayNoSupporting protocol for SUCONETNoSupporting protocol for PROFINET IONoSupporting protocol for PROFINET IONoSupporting protocol for SERCOSNoSupporting protocol for SerCOSNoSupporting protocol for SerCOSNoSupporting protocol for SerCOSNoSupporting protocol for ProviseNatYesSupporting protocol for SerCOSNoSupporting protocol for SerCOSNoSuppo	With SW interfaces		Yes
Supporting protocol for CAN No Supporting protocol for INTERBUS No Supporting protocol for ASI No Supporting protocol for ASI No Supporting protocol for MXX No Supporting protocol for MDBUS No Supporting protocol for Data-Highway No Supporting protocol for Data-Highway No Supporting protocol for SUCONET No Supporting protocol for PADFINET IO No Supporting protocol for FADFINET IO No Supporting protocol for FADFINET CBA No Supporting protocol for FADFINE	Supporting protocol for TCP/IP		Yes
Supporting protocol for INTERBUSNoSupporting protocol for ASINoSupporting protocol for KNXNoSupporting protocol for MODBUSYesSupporting protocol for Data-HighwayNoSupporting protocol for Data-HighwayNoSupporting protocol for SUCONETNoSupporting protocol for ROFINET LONNoSupporting protocol for PROFINET CBANoSupporting protocol for SERCOSNoSupporting protocol for LonNoSupporting protocol for Sertor SANoSupporting protocol for DeviceNetNoSupporting protocol for Sertor SANoSupporting protocol for ForeInter CBANoSupporting protocol for ForeInter CBANoSupporting protocol for Sertor SANoSupporting protocol for ForeInterSe Safety at WorkNoSupporting protocol for INTERBUS-SafetyNoSupporting protocol for ROFISafeNoSupporting protocol for ROFISafeNoSupporting protocol for ROFISafeNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNoSupporting protocol for Cherter SupportingNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNoSupporting protocol for Cherter SupportingNoSupporting protocol for Cherter SupportingNoSupporting protocol for Cherter SupportingNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNo <td>Supporting protocol for PROFIBUS</td> <td></td> <td>Yes</td>	Supporting protocol for PROFIBUS		Yes
Supporting protocol for ASINoSupporting protocol for KNXNoSupporting protocol for MODBUSYesSupporting protocol for Data-HighwayNoSupporting protocol for Data-HighwayNoSupporting protocol for SUCONETNoSupporting protocol for SUCONETNoSupporting protocol for PROFINET IONoSupporting protocol for FORFINET CBANoSupporting protocol for FORFINET CBANoSupporting protocol for Foundation FieldbusNoSupporting protocol for SERCOSNoSupporting protocol for Foundation FieldbusNoSupporting protocol for INTERBUS-Safety at WorkNoSupporting protocol for ROFINETSNoSupporting protocol for SASINSNoSupporting protocol for SearcySNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNo <tr< td=""><td>Supporting protocol for CAN</td><td></td><td>No</td></tr<>	Supporting protocol for CAN		No
Supporting protocol for MODBUS No Supporting protocol for MODBUS Yes Supporting protocol for Data-Highway No Supporting protocol for SUCONET No Supporting protocol for SucoNEX No Supporting protocol for SucoNEX No Suporting protocol for SucoNEX No	Supporting protocol for INTERBUS		No
Supporting protocol for M0DBUS Yes Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No Supporting protocol for SUCONET No Supporting protocol for SUCONET No Supporting protocol for PAROFINET IO No Supporting protocol for PROFINET CBA No Supporting protocol for FAROFINET CBA No Supporting protocol for Foundation Fieldbus No Supporting protocol for Foundation Fieldbus No Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for Foundation Fieldbus No Supporting protocol for PROFISAFE No Supporting protocol for SerCOS No Supporting protocol for PROFISAFE No Supporting protocol for PROFISAFE No Supporting protocol for SerCOS No Suppo	Supporting protocol for ASI		No
Supporting protocol for Data-HighwayNoSupporting protocol for DeviceNetNoSupporting protocol for SUCONETNoSupporting protocol for SUCONETNoSupporting protocol for PADFINET IONoSupporting protocol for PROFINET CBANoSupporting protocol for SERCOSNoSupporting protocol for SERCOSNoSupporting protocol for Foundation FieldbusNoSupporting protocol for SERCOSNoSupporting protocol for SERCOSNoSupporting protocol for SetterNet/IPYesSupporting protocol for DeviceNet Safety at WorkNoSupporting protocol for INTERBUS-SafetyNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNo<	Supporting protocol for KNX		No
Supporting protocol for DeviceNetNoSupporting protocol for SUCONETNoSupporting protocol for SUCONETNoSupporting protocol for LONNoSupporting protocol for PROFINET IONoSupporting protocol for PROFINET CBANoSupporting protocol for SERCOSNoSupporting protocol for Fundation FieldbusNoSupporting protocol for Fundation FieldbusNoSupporting protocol for SERCOSNoSupporting protocol for Fundation FieldbusNoSupporting protocol for Fundation FieldbusNoSupporting protocol for AS-Interface Safety at WorkNoSupporting protocol for INTERBUS-SafetyNoSupporting protocol for PROFISafeNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNoSupporting protocol for other bus systemsNoRadio standard BluetoothMo	Supporting protocol for MODBUS		Yes
Supporting protocol for SUCONETNoSupporting protocol for LONNoSupporting protocol for PADFINET IONoSupporting protocol for PADFINET CBANoSupporting protocol for SERCOSNoSupporting protocol for Suddition FieldbusNoSupporting protocol for Fundation FieldbusNoSupporting protocol for SLICUSNoSupporting protocol for Suffer SercesNoSupporting protocol for Fundation FieldbusNoSupporting protocol for Fundation FieldbusNoSupporting protocol for Safety at WorkNoSupporting protocol for NITERBUS-SafetyNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNoSupporting protocol for SafetyBUS pNoSupporting protocol for ther bus systemsYesRadio standard BluetoothMo	Supporting protocol for Data-Highway		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 No Supporting protocol for AS-Interface Safety at Work No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFISAFE No Supporting protocol for SafetyBUS p No Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems No Radio standard Bluetooth Mo	Supporting protocol for DeviceNet		No
Supporting protocol for PROFINET IO Image: Supporting protocol for PROFINET CBA No Supporting protocol for PROFINET CBA No No Supporting protocol for SERCOS No No Supporting protocol for Foundation Fieldbus No No Supporting protocol for EtherNet/IP Image: Supporting protocol for AS-Interface Safety at Work Image: Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety Image: Supporting protocol for SafetyBUS P No Supporting protocol for SafetyBUS P Image: Supporting protocol for other bus systems No Supporting protocol for other bus systems Image: Supporting protocol for other bus systems No Supporting protocol for other bus systems Image: Supporting Protocol for other bus systems No Supporting protocol for other bus systems Image: Supporting Protocol for other bus systems No Supporting protocol for other bus systems Image: Supporting Protocol for other bus systems No Supporting protocol for other bus systems Image: Supporting Protocol for other bus systems No Supporting protocol for other bus systems Image: Supporting Protocol for other bus systems No Supporting Protocol for other bus systems Image: Supporting Protocol for o	Supporting protocol for SUCONET		No
Supporting protocol for PROFINET CBA No Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for Fundation Fieldbus No Supporting protocol for EtherNet/IP Ves Supporting protocol for DeviceNet Safety at Work No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFISER No Supporting protocol for SafetyBUS p No Supporting protocol for AS-Interface Safety No Supporting protocol for SafetyBUS p No Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems No	Supporting protocol for LON		No
Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for FhenNet/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 SafetyBUS p No Supporting protocol for other bus systems Yes Supporting protocol for SafetyBUS p No Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems Yes Radio standard Bluetooth Yes	Supporting protocol for PROFINET IO		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 No Radio standard Bluetooth Image: Safety at Work	Supporting protocol for PROFINET CBA		No
Supporting protocol for EtherNet/IP Image: Supporting protocol for AS-Interface Safety at Work Image: Supporting protocol for AS-Interface Safety at Work Image: Supporting protocol for DeviceNet Safety at Work Image: Supporting protocol for DeviceNet Safety Supporting protocol for DeviceNet Safety Image: Supporting protocol for INTERBUS-Safety Image: Supporting protocol for INTERBUS-Safety Image: Supporting protocol for PROFIsafe Image: Supporting protocol for SafetyBUS p Image: Supporting protocol for SafetyBUS p Image: Supporting protocol for other bus systems Image: Supporting protocol for	Supporting protocol for SERCOS		No
Supporting protocol for AS-Interface Safety at WorkNoSupporting protocol for DeviceNet SafetyNoSupporting protocol for INTERBUS-SafetyNoSupporting protocol for PROFIsafeNoSupporting protocol for SafetyBUS pNoSupporting protocol for other bus systemsNoRadio standard BluetoothImage: Safety at Work	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for DeviceNet SafetyNoSupporting protocol for INTERBUS-SafetyNoSupporting protocol for PROFIsafeNoSupporting protocol for SafetyBUS pNoSupporting protocol for other bus systemsYesRadio standard BluetoothImage: SafetyBUS p	Supporting protocol for EtherNet/IP		Yes
Supporting protocol for INTERBUS-SafetyNoSupporting protocol for PROFIsafeNoSupporting protocol for SafetyBUS pNoSupporting protocol for other bus systemsYesRadio standard BluetoothNo	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems Yes Radio standard Bluetooth No	Supporting protocol for DeviceNet Safety		No
Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems Yes Radio standard Bluetooth No	Supporting protocol for INTERBUS-Safety		No
Supporting protocol for other bus systems Yes Radio standard Bluetooth No	Supporting protocol for PROFIsafe		No
Radio standard Bluetooth No	Supporting protocol for SafetyBUS p		No
	Supporting protocol for other bus systems		Yes
Radio standard WLAN 802.11 No	Radio standard Bluetooth		No
	Radio standard WLAN 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	5.7
Number of pixels, horizontal	inon	640
Number of pixels, vertical		480
Useful project memory/user memory	kByte	64
With numeric keyboard	KDyte	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		Resistive 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		Yes
Number of online languages		100
Additional software components, loadable		Yes
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		4X
Operation temperature	٥°	0 - 50
Rail mounting possible	U	No
Wall mounting/direct mounting		No
Suitable for safety functions		No
Width of the front	mm	170
Height of the front		130
	mm	
Built-in depth	mm	34

Approvals

- PP	
Product Standards	UL 60950-01; CSA-C22.2 No. 60950-1; IEC/EN 61131-2; CE marking
UL File No.	E208621
UL Category Control No.	NWGQ2
CSA File No.	UL report applies to both US and Canada
CSA Class No.	NWGQ8
North America Certification	UL recognized, certified by UL for use in Canada
Conditions of Acceptability	The investigated Pollution Degree is: 2 The following end-product enclosures are required: Fire The unit must be supplied via a SELV source. The provided Ethernet Connection is only allowed to connect to inhouse networks.
Specially designed for North America	No
Current Limiting Circuit-Breaker	No
Degree of Protection	IEC: IP65, UL/CSA Type: -

Dimensions

Dimensions

Additional product information (links)

f1=1454&f2=1242&f3=1773;Download Software GALILEO

Product overview (WEB)

http://applications.eaton.eu/sdlc?LX=11&

http://www.eaton.eu/xv