



**easyE Remote Touch Display, Advanced, 24 V DC, 4.3 inch, TFTcolor,
480x272 px, resistive, Ethernet**

**Part no. EASY-RTD-DC-43-03B2-00
EP-401057**

General specifications		
Product name		Eaton EASY Touch panel
Part no.		EASY-RTD-DC-43-03B2-00
EAN		4015082965099
Product Length/Depth		136 millimetre
Product height		38 millimetre
Product width		101 millimetre
Product weight		0.206 kilogram
Compliances		Eaton supports the product until its end of life DNV RoHS conform CE Marked
Certifications		UL File No.: E205091 UL 61010-2-201
Product Tradename		EASY
Product Type		Touch panel
Product Sub Type		None
Catalog Notes		No PLC function possible
Features & Functions		
Enclosure material		Insulated material
Fitted with:		1 x USB host (built-in interface) 1 x Ethernet 100base-TX/10base-T (built-in interface) Color display Alpha numeric keyboard
General information		
Degree of protection		IP20, rear (according to EN 60529-1)
Display type		Standard front with standard membrane (fully enclosed) TFT
Number of colors of the display		64000
Product category		Touch display for easyE4
Screen size (diagonal)		4.3 in
Software		Advanced: a user defined visualization to be programmed via easySoft and pre-installed application software which mirrors the display and keypad of an easyE4 base unit.
Touch technology		Touch sensor (glass with foil), Resistive touch protective screen Resistive touch
Used with		EASY-E4
Voltage type		DC
Ambient conditions, mechanical		
Shock resistance		15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 18 Impacts
Vibration resistance		According to IEC/EN 60068-2-6
Climatic environmental conditions		
Ambient storage temperature - min		-20 °C
Ambient storage temperature - max		60 °C
Environmental conditions		Condensation: prevent with appropriate measures
Electro magnetic compatibility		
Voltage dips		≤ 10 ms from rated voltage (24 V DC) 5 ms from undervoltage (19.2 V DC)
Electrical rating		
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)

		18.0 - 31.2 V DC, absolute with ripple
Power consumption		7.2 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		
Memory capacity		0 kByte
Interfaces		USB 2.0 host (not galvanically isolated) Ethernet (100Base-TX/10Base-T)
Design verification		
Heat dissipation capacity P _{diss}		0 W
Heat dissipation per pole, current-dependent P _{vid}		0 W
Static heat dissipation, non-current-dependent P _{vs}		7.2 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 9.0

Programmable logic controllers PLC (EG000024) / Graphic panel (EC001412)		
Electric engineering, automation, process control engineering / Display and control component / Panel (HMI) / Graphic panel (HMI) (ecl@ss13-27-33-02-01 [AFX016008])		
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 (supply voltage)		DC
Power consumption	W	7.2
Number of HW-interfaces industrial Ethernet		1
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		0
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		1
Number of HW-interfaces parallel		0
Number of HW-interfaces wireless		0

Number of HW-interfaces other			0
With SW interfaces			No
Supporting protocol for EtherCAT			No
Supporting protocol for TCP/IP			No
Supporting protocol for PROFIBUS			No
Supporting protocol for CAN			No
Supporting protocol for INTERBUS			No
Supporting protocol for ASI			No
Supporting protocol for KNX			No
Supporting protocol for Modbus			No
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			No
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			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
Colour display			Yes
Number of colours of the display			64000
Number of grey-scales/blue-scales of display			0
Screen diagonal		inch	4.3
Number of pixels, horizontal			272
Number of pixels, vertical			480
Useful project memory/user memory		kByte	0
With numeric keyboard			No
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			No
With message system (incl. buffer and confirmation)			No
Process value representation (output) possible			No
Process default value (input) possible			No
With recipes			No
Number of password levels			3
With printer output			No
Number of online languages			13
Additional software components, loadable			No
Degree of protection (IP), front side			IP65

Degree of protection (NEMA), front side			4X
Certified for UL hazardous location class I			No
Certified for UL hazardous location class II			No
Certified for UL hazardous location class III			No
Certified for UL hazardous location division 1			No
Certified for UL hazardous location division 2			No
Certified for UL hazardous location group A (acetylene)			No
Certified for UL hazardous location group B (hydrogen)			No
Certified for UL hazardous location group C (ethylene)			No
Certified for UL hazardous location group D (propane)			No
Certified for UL hazardous location group E (metal dusts)			No
Certified for UL hazardous location group F (carbonaceous dusts)			No
Certified for UL hazardous location group G (non-conductive dusts)			No
Operating temperature		°C	0 - 50
Rail mounting possible			No
Wall mounting/direct mounting			No
Suitable for safety functions			No
Width of the front		mm	136
Height of the front		mm	101
Built-in depth		mm	38