DATASHEET - EASY800-BLT-ADP



Bluetooth Adapter, communication easy 800/MFD-CP8/CP10/EC4P with PC, plug-in

EASY800-BLT-ADP

Powering Business Worldwide*

Part no. EASY800-BLT-ADP Catalog No. 167651

Alternate Catalog No.

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4560847

EL-Nummer (Norway)

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Delivery program

Product range			Control relay easyRelay Multi-function-display MFD-Titan
Subrange			Programming accessories Cables, component adapters and plugs
Function			For secure radio connection between control relay and PC (programming and online communication)/Android smartphone and tablet (easyRemote display app, easyParameter app)
For use with			easy81, easy82 MFD-CP8, MFD-CP10 ≧ V. 3.0 EC4P
radio interface			
Bluetooth module used			easy800-BLT-ADP 02, 03: PAN1321 SPP, ENW89811K4CF easy800-BLT-ADP 04: PAN1322 SPP, ENW89841A3KF
BlueTooth	Version		2.0, EDR conform
Transmitting power			
Output level		mW	2.5
Output power		dBm	4
Class			2
Transission mode			easy800-BLT-ADP 02, 03 secure connection using PIN code easy800-BLT-ADP 04 secure connection using secure simple pairing
Baud rate		Bd	57600
Range		m	10
Communications partners			
	Count		4
	Type		PC

Technical data

General			
Standards			EN 55011, EN 50178, IEC EN 61000-4, IEC60068-2-6, IEC60068-2-27
Dimensions (W x H x D)		mm	15 x 45 x 17
Weight		kg	0.08
Mounting			Can be plugged into the easy800-Standard, MFD#CP8/CP10, EC4P serial interface
Climatic proofing			Cold to EN 60068-2-1 Heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Temperature change as per IEC 68000-2-14
Operating ambient temperature		°C	-25 to +55 (-13 to +131)
Condensation			Take appropriate measures to prevent condensation
Storage	θ	°C	-40 to +70, (-40 to +158)
relative humidity		%	5 - 95
Air pressure (operation)		hPa	795 - 1080
Ambient conditions, mechanical			
Drotoction time (IEC/EN COE20, ENEO170, VDC 4)			ID20

Free fall, packaged (IEC/EN 60068-2-32)		m	0.3
Mounting position			Any, depends on the device's position
Electromagnetic compatibility (EMC)			
Electrostatic discharge (ESD)			
applied standard			IEC EN 61000-4-3
Air discharge		kV	8
Contact discharge		kV	6
Electromagnetic fields (RFI) to IEC EN 61000-4-3		V/m	0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1
Radio interference suppression			Class B
Burst		kV	2
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	10
Insulation resistance			
Pollution degree			2
radio interface			
Radio licenses and certifications			easy800-BLT-ADP 02, 03 for ENW89811K4C easy800-BLT-ADP 04 for ENW89841A3KF R&TTE 1999/5/EC (part of CE Declaration of Conformity) FCC ID: T7VEBMU (USA) IC: 216QEBMU (Canada)
BlueTooth	Version		2.0, EDR conform
Bluetooth module used			easy800-BLT-ADP 02, 03: PAN1321 SPP, ENW89811K4CF easy800-BLT-ADP 04: PAN1322 SPP, ENW89841A3KF
Coupling time			60 Sekunden für Secure Simple Pairing
Transmitting power			
Output level		mW	typ. 2.5
Output power		dBm	typ. 4
Transission mode			easy800-BLT-ADP 02, 03 secure connection using PIN code easy800-BLT-ADP 04 secure connection using secure simple pairing
Baud rate		Bd	57600
Range		m	10
Number of computers that can be connected			4

Design verification as per IEC/EN 61439

besign vermoution as per 120/214 01-103		
Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	55
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		Meets the product standard's requirements.
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

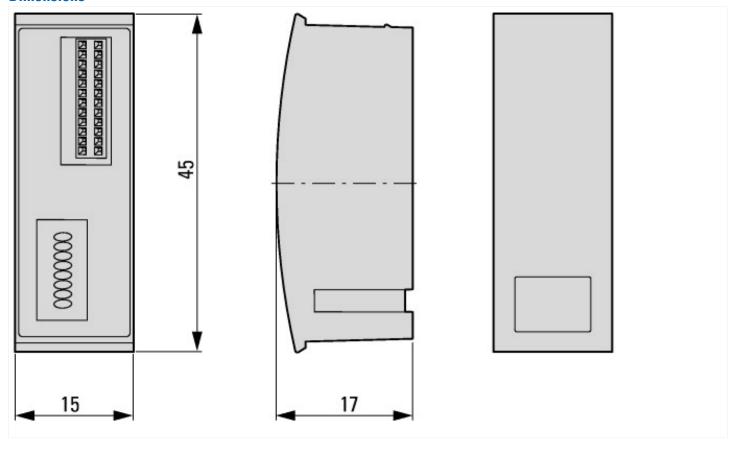
PLC's (EG000024) / PLC communication module (EC001423)		
Electric engineering, automation, process control engineering / Control / Progra	ammable logic control (SPS) / SPS communication module (ecl@ss10.0.1-27-24-22-08 [AKE531014])
Number of HW-interfaces industrial Ethernet		0
Number of interfaces PROFINET		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		0
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		1
Number of HW-interfaces other		0
With optical interface		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		Yes
Radio standard WLAN 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No
10 link master		No
Redundancy		No
Type of data transmission		Serial
Transmission rate	kBit/s	57.6
With potential separation		Yes
Category according to EN 954-1		
SIL according to IEC 61508		None
Suitable for safety functions		No

Performance level acc. EN ISO 13849-1		None
Appendant operation agent (Ex ia)		No
Appendant operation agent (Ex ib)		No
Explosion safety category for gas		None
Explosion safety category for dust		None
Width	mm	15
Height	mm	45
Depth	mm	17

Approvals

Product Standards	IEC/EN: see Technical Data; UL508; CSA-C22.2; CE marking
UL File No.	E135462

Dimensions



Assets (links)

Declaration of CE Conformity

00002773

Manuals

MN04902002Z_EN (English)

Additional product information (links)

Traditional product information			
Manual easy800-BLT-ADP Bluetooth adapter MN04902002Z			
Handbuch Bluetooth-Adapter easy800-BLT- ADP MN04902002Z - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902002Z_DE.pdf		
Manual easy800-BLT-ADP Bluetooth adapter MN04902002Z - English	ftp://ftp.moeller.net/D0CUMENTATION/AWB_MANUALS/MN04902002Z_EN.pdf		