ABB UK648E3 — product data sheet (new.abb.com)

Source: https://new.abb.com/products/2CPX077843R9999/uk648e3 — official ABB product page (Data Sheet tab); order code 2CPX077843R9999, EAN 4011617778431

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Identification

Extended Product Type	UK648E3
Product ID	2CPX077843R9999
EAN	4011617778431
Catalog Description	Consumer unit UK600, Flush-/ hollow wall mounting, 48 modules, 4 row(s), IP30, Door: Single, Steel Sheet, Dimensions: 747 mm x 384 mm x 97 mm
Long Description	Consumer unit, series UK600, Expansion option: Lateral and bottom, for the internal use, with closed doorframe and door, class of protection II (double insulated), degree of protection IP30, applicable standards: EN 60670-24, Impact strength IK07, Rated operational voltage 400V AC 50/60 Hz, rated current 63 A, Glow wire resistance 850°C, Powder-coated, in RAL 9016, enclosure out of thermoplast, with trim frame and metal door, door out of sheet steel, in RAL 9016, with TIP-in closure, door opening angle 120 degree, door hinge right or left, cable entry on top via cable entry slide part is pre-punched, on bottom via cable entry slide part is pre-punched, on side via pre-punched, rear wall pre-punched, dimensions in mm (H x W x D): 747 x 384 x 97, Shutter frame dimensions in mm (H x W x D): 747 x 384 x 9, Space units 48, Row distance in mm: 125, covers out of Plastic, 90 degree press and turn closure, with N/PE screw terminal, cable fastening rail integrated, assembled with device carrier, device support removable

Electrical data

Rated Current (In)	63 A
Rated Operational Voltage	Maximum 400 V
Operational Voltage	400 V
Rated Insulation Voltage (Ui)	690 V
Rated Impulse Withstand Voltage (Uimp)	6 kV
Power Loss	Δt = 30K - Enclosures 62 W

Design and connection

Terminal Type	Screw Terminals
Accessories Available	Yes
Housing Material	Plastic
RAL Number	RAL 9016 - Traffic White
Color	Traffic white
Mounting Type	Flush-/ hollow wall mounting
Width in Number of Modular Spacings	12
Number of Modules	48

Operating conditions

Degree of Protection	IP30

Dimensions, weight, packaging

Product Net Width	384 mm
Product Net Height	747 mm
Product Net Depth / Length	97 mm
Built-In Depth (t2)	88 mm
Product Net Weight	5.001 kg
Package Level 1 Units	pack 1 piece
Package Level 1 Gross Weight	5.201 kg

Standards, certification, classification

Standards	DIN 43871
ETIM 9	EC000214 - Small distribution board
ETIM 10	EC000214 - Small distribution board
eClass	V11.0 : 27142409
Object Classification Code	U
SCIP	a1762673-49ba-4e47-a278-efe59499b985 Germany
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
REACH Information	False - does not contain substances > 0.1 mass percentage
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 81.41 %
Sustainable Material Content in Packaging (wt. %)	FSC 100% Cardboard - 72.44 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Extended Product Lifetime	Product Durability is Enhanced | Product is Modular

Manufacturer documents (ABB Library IDs)

Instructions and Manuals	2CPC130120M5601
Declaration of Conformity - CE	2CPC100018X0201
Dimension Diagram	2CPC000001D0201 | 2CPC000002D0201 | 2CPC000007D0201
ABB EcoSolutions Profile	9AKK108472A0008
RoHS Declaration	2CPC100018X0201
REACH Declaration	2CPC100005X0201
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Other data

Number of Rows	4
Closure Type	Push Button
Configuration Type	assembled with device carrier
Cover Plate Type	Door
Enclosure Type	Consumer unit
Door Type	Single
Opening Direction	Left or Right
DIN Place Units	48
Impact Resistance Rating	IK07
Surface Finishing	Powder-coated
Door Material	Steel Sheet
Cover Style	Closed
Protection Class	Isolated (Class II)
Building Information Modeling – BIM	9AKK107046A7947
Product Name	Consumer unit

Manufacturer per EU Declaration of Conformity: ABB AG – STRIEBEL & JOHN, Am Fuchsgraben 2-3, 77880 Sasbach, Німеччина.