



 PRODUCT-DETAILS

S802S-UCK80

S802S-UCK80 High Performance MCB



General Information

Extended Product Type	S802S-UCK80
Product ID	2CCS862001R1627
EAN	7612271203535
Catalog Description	S802S-UCK80 High Performance MCB
Long Description	S802S-UCK80 High Performance Miniature Circuit Breaker 2 Poles K Characteristic 80A 50kA 250VDC

ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108471A1082
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 86.29 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
End Of Life Disassembling Instructions	9AKK108470A2575
Environmental Product	9AKK108470A1695,9AKK108470A1696

Declaration - EPD

Technical

Type of Residual Current	Standard Version
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(500 V DC) 50 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(500 V DC) 50 kA
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	2
Number of Poles	2P
Release Type	K
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ²
Terminal Type	Screw Terminals

Electrical

Tripping Characteristic	UC-K
Rated Operational Voltage	acc. to IEC 60947-2 500 V DC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 1500 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	DC
Rated Current (I_n)	80 A
Frequency (f)	50...60 Hz
Rated Frequency (f)	0 Hz
Power Loss	Total 12.8 W at Rated Operating Conditions per Pole 6.4 W
Overvoltage Category	III

Material Compliance

RoHS Declaration	2CCC005084D0202
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20211214
REACH Declaration	9AKK108470A9089
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20250313
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -40 ... 70 °C Storage -40 ... 70 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	54 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	490 g
Built-In Depth (t ₂)	82.5 mm
Dimension Diagram	2CCC413003C0201

Engineering

EPLAN Data	9AAC172534_EPLAN
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Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	510 g

Certificates and Declarations

CB Certificate	2CCC413025D0202
CCC Certificate	CQC2007010307251328
Declaration of Conformity - CE	2CCC005084D0202
ESTI Certificate	S800 GOST
VDE Certificate	2CCC413040D0601

Installation

Instructions and Manuals	2CCC413016M0008
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Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562
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External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F
Standards	IEC/EN 60947-2

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance Circuit Breakers HPCBs - S800



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