PRODUCT-DETAILS

OTA25S3G

OTA25S3G EMC Safety switch



General Information

Extended Product Type	OTA25S3G
Product ID	1SCA142671R1001
ABB Type Designation	ABB1SCA142671R1001
EAN	6417019701707
Catalog Description	OTA25S3G EMC Safety switch
Long Description	EMC safety switch, 3-p. 415V AC23 30A, 15kW. Mounted auxiliary contact: 1NO0NC. Aluminium enclosure. IP65. Black Round handle. Interlocked cover. The dye casted aluminum alloy (silumin) enclosure is extremely rigid, and well suited for harsh environment. The surface is polyester coated and well protected from corrosion. Installation is made easy, thanks to the easy access to terminals, screwed cover and with the compression cable glands included. The cover is interlocked, and handle padlockable with two padlocks. The handle can also be padlocked in On position, by removing two small plastic covers. The enclosure is EMC type, when EMC glands (not included) are used.

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658

© 2025 ABB. All rights reserved.

REACH Declaration	1SCC340076D0201
RoHS Declaration	1SCC340075D0201
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	1SCC340095D0201

Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340166M0205
Mechanical Drawings	OTFK1161313RM32.stp

Environmental

Degree of Protection	acc. to IEC 60529 IP65
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Last Ordering Date	2026-08-31 All Countries
Replacement Product ID (NEW)	OTA25GS3B
Country or Territory of Origin	Bulgaria

Dimensions

Product Net Width	130 mm
Product Net Height	165 mm
Product Net Depth / Length	103 mm
Product Net Weight	1.45 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	136 mm
Package Level 1 Depth / Length	175 mm
Package Level 1 Height	140 mm
Package Level 1 Gross Weight	1.45 kg
Package Level 1 EAN	6417019701707

Technical

Cable Cross-Section	1.5 ... 35 mm²
Cable Entry Position	Top and/or Bottom
Cable Outlets Per Side	2xM32+M20 / 2xM32+M20

© 2025 ABB. All rights reserved.

Color	RAL7012 / RAL7035
Connecting Capacity Main Circuit	Screw Clamp 1.5 ... 35 mm² Screw Clamp / PE Terminal 3pc,1.5 ... 16 mm²
Conventional Thermal Current (I_{the})	Fully Enclosed 63 A
Degree of Protection	acc. to IEC 60529 IP65
Enclosure Material	Aluminium
Enclosure Type	Frontex1
Handle Color	Black
Handle Type	Round handle
Impact Resistance Rating	Housing IK07
Maximum Mounted Auxiliary Contacts	2 NO, 2 NC
Mechanical Durability	20000
Mounted Auxiliary Contacts	1 NO, 0 NC
Mounting Type	Panel mounted
Neutral Type	No Neutral Terminal
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	1
Number of Poles	3P
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out
Power Loss	at Rated Operating Conditions per Pole 2.8 W
Rated Conditional Short-Circuit Current (I_{nc})	13 kA
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 45 A (500 V) 45 A (690 V) 45 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 30 A (500 V) 30 A (690 V) 20 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 15 kW (500 V) 15 kW (690 V) 15 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V AC) 1.4 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 1 kA
Recommended Screw Driver	Main Circuit Pozidriv 2
Special Functions	EMC
Standards	IEC 60947-1, -3
Terminal Type	Screw Terminals
Tightening Torque	Main Circuit 2 N·m
Wire Stripping Length	13 mm

Technical UL/CSA

Wire Stripping Length	13 mm

© 2025 ABB. All rights reserved.

Recommended Screw Driver	Main Circuit Pozidriv 2
Tightening Torque	Main Circuit 2 N·m

Certificates and Declarations

Declaration of Conformity - CE	1SCC340057D2701

External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (AC)
UNSPSC	39122205
IDEA Granular Category Code (IGCC)	5166 >> Safety switch
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Sweden)	3134592

Categories

Low Voltage Products and Systems → Enclosed Switches → Enclosed Safety Switches → Enclosed Safety Switches





© 2025 ABB. All rights reserved.