PRODUCT-DETAILS

OT1250ETRR3TZ

OT1250ETRR3TZ EMC safety switch



General Information

Extended Product Type	OT1250ETRR3TZ
Product ID	1SCA103280R1001
EAN	6417019371177
Catalog Description	OT1250ETRR3TZ EMC safety switch
Long Description	EMC safety switch, 3-p. 415V AC23 1250A, 710kW. Mounted auxiliary contact: 2NO1NC. Steel sheet enclosure. IP65. Black Pistol handle. Interlocked cover. Defeatable interlocking. The enclosed switch is using a galvanised steel enclosure, with polyester coating. It is suitable for outdoor use with respect to UV light and ingress protection. The enclosure have inbuilt gas pressure relief function to protect the user in case of an internal arc. The door is earthed via the hinges. The enclosure is prepared for single and parallell cables. Cable entry types can be blank , ring-flange or C-flange type (FL21), with different cable configuration, like top/bottom or bottom/bottom. The handle is padlockable for 3 padlocks, cover is interlocked, and interlock function can be bypassed for thermographing.

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
SCIP	dd11932a-0faf-4095-8427-0156b7cbc72d Finland
Simplified SCIP	1fdfb0fc-da6a-463b-88b4-a50e372a73de Germany 5a7b0d0c-386f-4b90-9275-65f4eb229f04 Spain 132d9379-1f6c-49f1-bc71-ae781d119dc3 Greece 1b769732-860a-4056-8536-2d642f1db561 Portugal a926da54-1984-41a1-bc6d-b9a367632bf6 Bulgaria 131b79b0-37f8-4ba9-ad18-a7aad5de9ebc France b4c3bb98-6b16-4ba7-8e5f-d95cd64f2555 Germany 412caa89-894d-4544-96bc-516c24f85012 Denmark dbd90106-8451-4e5f-9d85-35dc890515dc Estonia 2bcb35e9-2aa1-42f5-a536-70e27cc068f7 Poland def33e22-d5a5-4006-8aa9-20c833d44666 Sweden 8e7460d4-0ff6-407f-8610-5b475f573c13 France f3e470b7-3bf6-4c8a-9d57-8b7d553bf045 Germany c278f835-4b2a-486f-9ecb-c865155f5e7c Belgium b69a5fc8-ede7-47d2-a26f-fd4f067f20d7 Italy e6c2025b-afb5-4d2f-8d71-d976021ce61d Poland 3cc8a245-a9d8-4972-bc05-25e781fa0639 Netherlands 36088afa-b3bd-4c03-bd4b-b47a6dbe4615 Hungary bdf8b1ba-9172-46c1-9c5d-5498c4651225 Belgium 1381470b-fc70-4021-95e3-d90dd8ce3352 Sweden e215de1e-0e26-45e8-8909-4a5c405487db Norway 56888e3e-c4e0-4339-a8b9-a0ee10906eb0 Croatia 3fc50f04-24cb-48e5-ad63-15bb1cc727fb Germany 21f54368-e0dc-4656-95e7-1e6cf281656e Germany adeecc81-c7af-4d52-b7e5-27e894546666 Czech Republic d4869c7e-a563-4a06-868e-e6724fb9f145 Hungary cb0745a7-6662-4dfb-a5c7-96e54dd8a405 Poland
Toxic Substances Control Act - TSCA	1SCC340095D0201

Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340016M0005
Mechanical Drawings	OTKM128033P8R.stp

Environmental

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

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363090
Country or Territory of Origin	Finland

Dimensions

Product Net Width	800 mm
Product Net Height	1200 mm
Product Net Depth /	330 mm

© 2025 ABB. All rights reserved.

Length	
Product Net Weight	62.67 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	815 mm
Package Level 1 Depth / Length	1310 mm
Package Level 1 Height	425 mm
Package Level 1 Gross Weight	67.7 kg
Package Level 1 EAN	6417019371177

Technical

Cable Entry Position	Top/Bottom
Cable Outlets Per Side	8xring-flange / 8xring-flange, Knock-outs: 3x10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm
Color	RAL7032
Connecting Capacity Main Circuit	Hole Diameter 12 mm Screw Clamp / PE Terminal 10pc,25 ... 120 mm^2
Conventional Thermal Current (I_{the})	Fully Enclosed 1250 A
Degree of Protection	acc. to IEC 60529 IP65
Enclosure Material	Steel sheet
Handle Color	Black
Handle Type	Pistol handle
Impact Resistance Rating	Housing IK09
Maximum Mounted Auxiliary Contacts	2 NO, 2 NC
Mounted Auxiliary Contacts	2 NO, 1 NC
Neutral Type	No Neutral Terminal
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	2
Number of Poles	3P
Pollution Degree	3
Power Loss	at Rated Operating Conditions per Pole 29 W
Rated Insulation Voltage (U_i)	750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 1250 A (500 V) 1250 A (690 V) 1250 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 1250 A (500 V) 1250 A (690 V) 1250 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 710 kW (500 V) 900 kW (690 V) 1200 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V AC) 110 kA
Rated Short-time	for 1 s 50 kA

© 2025 ABB. All rights reserved.

Withstand Current Low Voltage (I_{cw})	
Recommended Screw Driver	Main Circuit M12
Special Functions	EMC
Standards	IEC 60947-1, -3
Tightening Torque	Main Circuit 75 N·m

Technical UL/CSA

Recommended Screw Driver	Main Circuit M12
Tightening Torque	Main Circuit 75 N·m

Certificates and Declarations

Declaration of Conformity - CE	1SCC340042D2703

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	4. Large Equipment (Any External Dimension More Than 50 cm)
E-Number (Finland)	3642105

Categories

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

© 2025 ABB. All rights reserved.





© 2025 ABB. All rights reserved.