PRODUCT-DETAILS

OT250KLRR3AZ

OT250KLRR3AZ Safety switch



General Information

Extended Product Type	OT250KLRR3AZ
Product ID	1SCA022512R7490
EAN	6417019166230
Catalog Description	OT250KLRR3AZ Safety switch
Long Description	Safety switch, 3-p. 415V AC23 250A, 132kW. Mounted auxiliary contact: 2NO1NC. Steel sheet enclosure. IP65. RedYellow 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	5a1087eb-cf99-40bb-94af-42f3b2831333 Finland
Simplified SCIP	6aba1dce-e510-4cac-9e49-8a1f5f5e12e9 Germany a7f56f1f-9b99-4eea-ba39-b74855dde9af France 2975d59f-3aa0-4750-9650-748db7c903cb Denmark ddb413ae-9ac7-42d6-bf05-52092866cd86 Poland 46bb40c2-b50a-4b83-adbf-65e6a0021a0f Greece 1ac44803-5e7b-454d-83d2-0758f9142570 Portugal fdb3410b-2e41-421e-b532-023c23ffbb99 Poland a3e72cb1-0dc5-45b8-a487-71608a667e7c Netherlands 615b7fa1-bd0c-4f46-8194-50a289e9a29e Spain 8e349838-5298-44e9-828c-43c571ace90d Croatia 58e76108-2524-402e-aec1-f538af5a3e56 Germany cf2d73bc-c2af-4dc3-9960-89abbb6f1789 Belgium df66f30b-5252-4f42-8189-08dcb5e38849 Sweden 65e46597-2932-40be-a3a6-e36b56b7c197 Germany 2de85323-5ce5-4573-81b6-af38056fec03 Estonia 45ab607e-eae1-4eac-8249-e9aeed1ae56c Germany b37ba5c5-9ba2-451a-bb89-f0495a11b227 France 66538387-a60c-4361-83d4-7f54f6c2678b Sweden 907024ff-ea7f-41c5-a4f0-cd3443833ceb Hungary a1bfc766-b656-4cea-b72e-b6e17731af76 Germany 689b28f2-793c-46f2-b987-98cac94fb21a Norway c8836cc6-baa2-4cba-b1e1-2f1ab0c5a4c0 Hungary 0362e1cd-e386-498b-aa0f-f1e2cc37de35 Czech Republic ad084e91-41d8-403e-bca2-7b6dfd73f69f Italy 3a016202-042d-45bf-a941-26b9f0876edd Poland cf5830d3-59a0-4d9e-a810-ff53da84143e Bulgaria f3d5bb3d-3254-4d68-a808-67d5f9b5364a Belgium
Toxic Substances Control Act - TSCA	1SCC340095D0201

Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340016M0005
Mechanical Drawings	OTKM604023P4R.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	400 mm
Product Net Height	600 mm
Product Net Depth /	230 mm

© 2025 ABB. All rights reserved.

Length	
Product Net Weight	18.21 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	415 mm
Package Level 1 Depth / Length	710 mm
Package Level 1 Height	325 mm
Package Level 1 Gross Weight	19.9 kg
Package Level 1 EAN	6417019166230

Technical

Cable Entry Position	Top/Bottom
Cable Outlets Per Side	4xring-flange / 4xring-flange, Knock-outs: 3x10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm
Color	RAL7032
Connecting Capacity Main Circuit	Hole Diameter 8 mm Screw Clamp / PE Terminal 4pc,10 ... 70+4pc M8 mm²
Conventional Thermal Current (I_{the})	Fully Enclosed 250 A
Degree of Protection	acc. to IEC 60529 IP65
Enclosure Material	Steel sheet
Handle Color	Red / Yellow
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 6.5 W
Rated Conditional Short-Circuit Current (I_{nc})	40.5 kA
Rated Insulation Voltage (U_i)	750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 250 A (500 V) 250 A (690 V) 250 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 250 A (500 V) 250 A (690 V) 250 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 132 kW (500 V) 160 kW (690 V) 200 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit	(1000 V AC) 30 kA

© 2025 ABB. All rights reserved.

Making Capacity (I_{cm})	
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 8 kA
Recommended Screw Driver	Main Circuit M8
Standards	IEC 60947-1, -3
Tightening Torque	Main Circuit 22 N·m

Technical UL/CSA

Recommended Screw Driver	Main Circuit M8
Tightening Torque	Main Circuit 22 N·m

Certificates and Declarations

Declaration of Conformity - CE	1SCC340025D2704

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)

Categories

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

© 2025 ABB. All rights reserved.





© 2025 ABB. All rights reserved.