

PRODUCT-DETAILS

Mechanical Drawings

## OT125GAUC3AZ Safety switch



General Information	
Extended Product Type	OT125GAUC3AZ
Product ID	1SCA148439R1001
EAN	6417019779157
Catalog Description	OT125GAUC3AZ Safety switch
Long Description	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.

	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.
Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Country of Origin	Finland (FI)
Popular Downloads	
Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340005M0007

OTKM404023PBL2C.stp

Dimensions	
Product Net Width	400 mm
Product Net Height	400 mm
Product Net Depth / Length	230 mm
Product Net Weight	14.5 kg

Rated Operational Current	Table Cod	
AC-22A (1e)   (500 V) 125 A	Technical	
AC-23A (I <sub>e</sub> ) (500 V) 125 A Rated Operational Power AC-23A (I <sub>e</sub> ) (890 V) 125 A AC-23A (I <sub>e</sub> ) (890 V) 125 A AC-23A (I <sub>e</sub> ) (890 V) 150 kW AC-23A (I <sub>e</sub> ) (890 V) 110 kW Conventional Thermal Current (I <sub>the</sub> ) Fully Enclosed 125 A Current (I <sub>the</sub> ) (890 V) 110 kW Rated Impulse Withstand Voltage (I <sub>timp</sub> ) Rated Impulse Withstand Voltage (I <sub>timp</sub> ) Rated Operational Voltage (I <sub>timp</sub> ) Rated Operational Voltage Rated Short-Circuit Making Capacity (I <sub>cm</sub> ) Rated Short-Circuit Withstand Current (I <sub>cw</sub> ) Rated Short-Circuit Circuit Current (I <sub>cw</sub> ) Rated Short-Circuit Pollution Degree Rated Conditional Short- Circuit Current (I <sub>cw</sub> ) Rated Color Red / Yellow Randle Color Red / Yellow Randle Type Position of Line Terminals Rated Short of Line Terminals Rated Congressity Main Circuit Screw Clamp / PE Terminal 2pes, 10.70 mm² Cable Entry Position Rated Congressity Main Circuit Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Position Rater Sprew Clamp / PE Terminal 2pes, 10.70 mm² Cable Cntry Cntry Clamp /		(380 415 V) 125 A (500 V) 125 A (690 V) 125 A
AC-23A (Pe) (500 V) 75 KW (500 V) 10 KW (10 km)  Rated Inpulse Withstand Voltage (U <sub>imp</sub> )  Rated Insulation Voltage (U <sub>i</sub> )  Rated Operational Voltage (U <sub>i</sub> )  Rated Operational Voltage (U <sub>i</sub> )  Rated Short-Circuit Making Capacity (I <sub>cm</sub> )  Rated Short-Circuit Making Capacity (I <sub>cm</sub> )  Rated Short-Circuit Making Capacity (I <sub>cm</sub> )  Rated Conditional Short- Circuit Current (I <sub>cm</sub> )  Pollution Degree  3  Handle Color Red / Yellow Handle Color Handle Type Piston for Line Terminals Bottom In - Bottom Out Standards Connecting Capacity Main Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Connecting Capacity Main Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Cable Uutlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 25.5mm, 35.5mm, 35.5mm Cable Entry Position Cable Coutlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 25.5mm, 35.5mm, 35.5mm Capacity Type Capacity Makerial  Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts  Mounted Auxiliary Contacts Creminal Type Screw Terminals		(380 415 V) 125 A (500 V) 125 A (690 V) 125 A
Current (I <sub>the</sub> ) Rated Impulse Withstand Voltage (U <sub>Imp</sub> ) Rated Insulation Voltage (U <sub>I</sub> ) Rated Operational Voltage (G90 V AC) 12 kA Main Circuit 1000 V (U <sub>I</sub> ) Rated Operational Voltage (G90 V AC) 12 kA Main Circuit 1000 V (Reted Short-Circuit Making Capacity (I <sub>cm</sub> ) Rated Short-Lime (G90 V AC) 12 kA Withstand Current (I <sub>cw</sub> ) Rated Short-Lime (I <sub>cw</sub> ) Rated Conditional Short-Circuit Minch (I <sub>cw</sub> ) Rated Conditional Short-Circuit (I <sub>cw</sub> ) Rated Conditional Short-Circuit (I <sub>cw</sub> ) Pollution Degree 3 Handle Color Red / Yellow Handle Type Pistol handle Position of Line Terminals Bottom In - Bottom Out Standards IEC 60947-1, -3 Number of Poles 3 Connecting Capacity Main Screw Clamp / PE Terminal 2pcs, 1070 mm² Circuit Curlet Capacity Main Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Cutlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm and Steel Sheet Maximum Mounted Auxiliary Contacts Mounted Auxiliary Rated Screw Terminals Screw Terminals Screw Clamp Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Rock Terminal Type Screw Terminals Screw Terminals Screw Terminals Screw Contacts  Mounted Auxiliary Contacts  Rock Terminal Type Screw Terminals Screw Terminals Screw Contacts  Mounted Auxiliary Contacts  Final Page of Protection Screw Terminals Screw Terminals Type Screw Terminals Type Terminal Type Screw Terminals Ty		(380 415 V) 55 kW (500 V) 75 kW (690 V) 110 kW
Voltage (Ü <sub>Imp</sub> )     Rated Insulation Voltage     acc. to IEC/EN 60664-1 1000 V (U <sub>1</sub> )       Rated Operational Voltage     Main Circuit 1000 V       Rated Short-Circuit Making Capacity (I <sub>cm</sub> )     (690 V AC) 12 kA       Rated Short-time Withstand Current (I <sub>cw</sub> )     for 1 s 4 kA       Rated Conditional Short-Circuit Current (I <sub>nc</sub> )     24 kA       Pollution Degree     3       Handle Color     Red / Yellow       Handle Type     Piston In - Bottom Out Standards       Position of Line Terminals     Bittom In - Bottom Out Standards       Standards     IEC 60947-1, -3       Number of Poles     3       Connecting Capacity Main Circuit     Screw Clamp 1070 mm² Screw Clamp 1070 mm² Circuit       Cable Entry Position     Down/Down       Cable Cutlets Per Side     Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm       Cable Outlets Per Side     Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm       Degree of Protection     acc. to IEC 60529 IP65       Enclosure Type     MSC       Enclosure Material     Steel sheet       Mounted Auxiliary     1 NO, 1 NC       Contacts     1 NO, 1 NC       Terminal Type     Screw Terminals		Fully Enclosed 125 A
Rated Operational Voltage Main Circuit 1000 V Rated Short-Circuit (690 V AC) 12 kA Making Capacity (1 <sub>cm</sub> ) Rated Short-time Withstand Current (1 <sub>cw</sub> ) Rated Conditional Short- Circuit Current (1 <sub>nc</sub> ) Rated Conditional Short- Circuit Rated Conditional Short- Circuit Rated Conditional Short- Circuit Rated Rated (1 <sub>nc</sub> ) Rated Politation Degree Rated (1 <sub>nc</sub> ) Rated Conditional Short- Circuit Rated (1 <sub>nc</sub> ) Rated Rated (1 <sub>nc</sub> ) Rated Conditional Short- Circuit Rated (1 <sub>nc</sub> ) Rated Rated (1 <sub>nc</sub> ) Rated Conditional Short- Circuit Rated (1 <sub>nc</sub> ) Rated Conditional Short- Circuit Rated (1 <sub>nc</sub> ) Rated Conditional Rated (1 <sub>nc</sub>		12 kV
Rated Short-Circuit Making Capacity (I <sub>cm</sub> )  Rated Short-time Rated Short-time for 1 s 4 kA Withstand Current (I <sub>cw</sub> )  Rated Conditional Short- Circuit Current (I <sub>nc</sub> )  Pollution Degree 3  Handle Color Handle Type Pistol handle Position of Line Terminals Bottom In - Bottom Out Standards IEC 60947-1, -3 Number of Poles  Connecting Capacity Main Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Cable Coutlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 32.5mm Degree of Protection Bank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection Cable Coutlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection Cable Coutlets Per Side Consume Material Cable Coutlets Per Side Cable Coutlets P		acc. to IEC/EN 60664-1 1000 V
Making Capacity (I <sub>cm</sub> )  Rated Short-time (for 1 s 4 kA Withstand Current (I <sub>cw</sub> )  Rated Conditional Short- Circuit Current (I <sub>nc</sub> )  Pollution Degree 3  Handle Color Red / Yellow Pistol handle Position of Line Terminals Bottom In - Bottom Out Standards IEC 60947-1, -3 Number of Poles 3  Connecting Capacity Main Screw Clamp 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Down/Down Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Screw Material Steel sheet Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Ferminal Type Screw Terminals Sc	Rated Operational Voltage	Main Circuit 1000 V
Withstand Current (I <sub>cw</sub> )  Rated Conditional Short- Circuit Current (I <sub>nc</sub> )  Pollution Degree  3. Handle Color  Handle Type  Pistol handle Position of Line Terminals  Bottom In - Bottom Out Standards  IEC 60947-1, -3  Number of Poles  Connecting Capacity Main Circuit  Screw Clamp / PE Terminal 2pcs, 1070 mm² Circuit  Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 20.5mm Degree of Protection  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm Degree of Protection  Cable Outlets Per Side  Cable Out		(690 V AC) 12 kA
Circuit Current (I <sub>nc</sub> )  Pollution Degree 3  Handle Color Red / Yellow Red / Yellow Pistol handle Type Pistol handle Position of Line Terminals Bottom In - Bottom Out Standards IEC 60947-1, -3  Number of Poles Screw Clamp 1070 mm² Screw Clamp 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Down/Down Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Enclosure Material Steel sheet Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type Screw Terminals		for 1 s 4 kA
Handle Color Red / Yellow Handle Type Pistol handle Position of Line Terminals Bottom In - Bottom Out Standards IEC 60947-1, -3 Number of Poles 3  Connecting Capacity Main Screw Clamp / PE Terminal 2pcs, 1070 mm² Cricuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Down/Down Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Enclosure Material Steel sheet Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type Screw Terminals		24 kA
Handle Type Pistol handle Position of Line Terminals Bottom In - Bottom Out Standards IEC 60947-1, -3 Number of Poles 3 Connecting Capacity Main Screw Clamp 1070 mm² Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Down/Down Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Enclosure Material Steel sheet Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Terminal Type Screw Terminals	Pollution Degree	3
Position of Line Terminals  Standards  IEC 60947-1, -3  Number of Poles  Connecting Capacity Main Circuit  Screw Clamp 1070 mm² Circuit  Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position  Down/Down  Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm  Degree of Protection  Enclosure Type  Enclosure Type  Enclosure Material  Maximum Mounted  Auxiliary Contacts  Mounted Auxiliary  Contacts  Terminal Type  Screw Terminals	Handle Color	Red / Yellow
Standards IEC 60947-1, -3 Number of Poles 3 Connecting Capacity Main Screw Clamp 1070 mm² Screw Clamp / PE Terminal 2pcs, 1070 mm² Screw Clamp / PE	Handle Type	Pistol handle
Number of Poles  Connecting Capacity Main Circuit Screw Clamp 1070 mm² Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position  Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection Enclosure Type  Enclosure Material Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type  Screw Terminals	Position of Line Terminals	Bottom In - Bottom Out
Connecting Capacity Main Circuit Screw Clamp 1070 mm² Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Down/Down Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Terminal Type Screw Terminals	Standards	IEC 60947-1, -3
Circuit Screw Clamp / PE Terminal 2pcs, 1070 mm² Cable Entry Position Down/Down Cable Outlets Per Side Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Enclosure Material Steel sheet Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Terminal Type Screw Terminals	Number of Poles	3
Cable Outlets Per Side  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm  Degree of Protection  acc. to IEC 60529 IP65  Enclosure Type  MSC  Enclosure Material  Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type  Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm  acc. to IEC 60529 IP65  Steel sheet  1 NO, 2 NO  1 NO, 1 NO  Screw Terminals		Screw Clamp 1070 mm <sup>2</sup> Screw Clamp / PE Terminal 2pcs, 1070 mm <sup>2</sup>
Degree of Protection acc. to IEC 60529 IP65 Enclosure Type MSC Enclosure Material Steel sheet Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Terminal Type Screw Terminals	Cable Entry Position	Down/Down
Enclosure Type  Enclosure Material  Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type  MSC  Steel sheet  1 NO, 2 NO  1 NO, 1 NO  Screw Terminals	Cable Outlets Per Side	Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm
Enclosure Material Steel sheet  Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type  Steel sheet  1 NO, 2 NC  1 NO, 1 NC  Screw Terminals	Degree of Protection	acc. to IEC 60529 IP65
Maximum Mounted Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type  2 NO, 2 NC 1 NO, 1 NC 1 NO, 1 NC Screw Terminals	Enclosure Type	MSC
Auxiliary Contacts  Mounted Auxiliary Contacts  Terminal Type  Screw Terminals	Enclosure Material	Steel sheet
Contacts  Terminal Type  Screw Terminals		2 NO, 2 NC
		1 NO, 1 NC
Tightening Torque 6 N·m	Terminal Type	Screw Terminals
	Tightening Torque	6 N·m

Environmental
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RoHS Status Following EU Directive 2011/65/EU

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Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	1SCC340002D2703
Instructions and Manuals	1SCC340005M0007

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	415 mm
Package Level 1 Depth / Length	510 mm
Package Level 1 Height	325 mm
Package Level 1 Gross Weight	16 kg
Package Level 1 EAN	6417019779157

Classifications	
Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Enclosed\ Switches \rightarrow Enclosed\ Safety\ Switches \rightarrow Enclosed\ Safety\ Switches$ 



