PRODUCT-DETAILS

OT160EVSUR3TZ

OT160EVSUR3TZ Safety switch



General Information

Extended Product Type	OT160EVSUR3TZ
Product ID	1SCA125726R1001
EAN	6417019557496
Catalog Description	OT160EVSUR3TZ Safety switch
Long Description	Safety switch, 3-p. 415V AC23 160A, 80kW. Mounted auxiliary contact: 2NO1NC. Stainless steel enclosure. IP65. StainlessSteel Pistol handle. Interlocked cover. Defeatable interlocking. The enclosure and handle of the OT series is made of rigid acid proof steel, class AISI316L. The enclosure has a hinged door, with door lock. The cover is interlocked, and can not be opened when switch is on. The interlock function can be defeated for thermographing. The cover has also a gas pressure releaf function, to protect the user in case of internal arc. Suitable for outdoor and indoor use. The cable entries holes are prepared for cable flanges. The cable flanges (KOT61007 or KOT62296 (for EMC)) and the covers for the holes (KOT61008), have to be bought separately. The switch can be used in EMC applications, if EMC ring flanges are used. PE terminals and auxiliary contacts are included.

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658

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REACH Declaration	1SCC340076D0201
RoHS Declaration	1SCC340075D0201
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	4ff6b74f-58b9-4f98-9def-eb910f43a8f6 Finland
Simplified SCIP	8f334809-1ac3-45b6-a073-87e63b5e44c7 Germany 25fb92a3-1ef2-462d-b8e2-52d0f6d6ab6e Italy 041c675b-f8fb-4d18-a632-f7518dd18574 Norway b6d8a63c-84e9-4a9e-83d9-ec4c8d303e0e Germany ed7e013b-6d0b-4fef-a4d6-e5763f6cc499 France 2394f082-7f66-4308-83bf-c7ec3a52e0a1 Sweden dd402f5b-7a1f-4b06-9a75-4976b715c5f8 Poland a3531ca4-00da-4240-800d-9bcc3d971639 Greece ff2a2d0a-6e37-4faf-a56d-ea53ce2f5c08 Estonia 86caf04f-40ba-410a-93f5-f34db989790c Portugal 72162800-0aa4-4bf8-9f6e-2f52978783a8 Netherlands e6e13028-577a-4293-9a3c-bea7054a4ebd Germany 479c7b87-6180-4be2-9fbe-7353c00c0e02 Belgium cf0d7e3d-be52-4d54-b7d6-5515db9bd5f5 Denmark 48f16909-69ce-423c-8ff9-9f57239b6ff6 Croatia 3e0bde23-5f57-4f3d-ac5f-2accbf8bb667 France a0f16662-7226-4816-8eca-cf6533f67962 Germany 7acc97a5-5c09-4e26-80f1-e7a2b7ca0e7b Spain 9c0c3264-b222-4c19-9d00-358fd4b83d3d Poland 01bb4788-a6e2-4639-9524-1e98e0c3ff54 Hungary b73e886a-76df-4bb9-a498-8dd0396c6736 Czech Republic 2b28307b-1bb8-4476-a64d-cd8f958a16fc Poland 398afdc1-7c5f-41cf-bd45-6339e24980d6 Germany 1c79e482-feb8-4987-8e4b-468dafcd2e84 Hungary 1101cfbd-d729-44d6-ad98-7fe373194f04 Sweden abf3a118-d222-432b-a630-538ff1195e4b Bulgaria 1187b710-2dea-4791-8f49-fe64f05ffbe3 Belgium
Toxic Substances Control Act - TSCA	1SCC340095D0201

Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340008M0004
Mechanical Drawings	OTRK604023PBL4R.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 / Length	230 mm

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Product Net Weight	27.01 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	28.7 kg
Package Level 1 EAN	6417019557496

Technical

Cable Entry Position	Bottom/Bottom
Cable Outlets Per Side	Blank / 4xring-flange+ø25.5mm
Color	Stainless
Connecting Capacity Main Circuit	Hole Diameter 8 mm Screw Clamp / PE Terminal 2pc,10 ... 70 mm²
Conventional Thermal Current (I_{the})	Fully Enclosed 160 A
Degree of Protection	acc. to IEC 60529 IP65
Enclosure Material	Stainless steel
Handle Color	Stainless Steel
Handle Type	Pistol handle
Impact Resistance Rating	Housing IK09
Maximum Mounted Auxiliary Contacts	2 NO, 2 NC
Mounted Auxiliary Contacts	2 NO, 1 NC
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 3.2 W
Rated Conditional Short-Circuit Current (I_{nc})	40.5 kA
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 80 kW (500 V) 112 kW (690 V) 144 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(1000 V AC) 30 kA
Rated Short-time Withstand Current Low	for 1 s 8 kA

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Voltage (I_{cw})	
Recommended Screw Driver	Main Circuit M8
Special Functions	EMC
Standards	IEC 60947-1, -3
Tightening Torque	Main Circuit 6 N·m

Technical UL/CSA

Recommended Screw Driver	Main Circuit M8
Tightening Torque	Main Circuit 6 N·m

Certificates and Declarations

Declaration of Conformity - CE	1SCC340002D2703

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 (Sweden)	3135018

Categories

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

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