PRODUCT-DETAILS

OTE90T6B

OTE90T6B EMC safety switch



General Information

Extended Product Type	OTE90T6B
Product ID	1SCA022536R1760
EAN	6417019169859
Catalog Description	OTE90T6B EMC safety switch
Long Description	EMC safety switch, 6-p. 415V AC23 90A, 45kW. Mounted auxiliary contact: 1NO0NC. Plastic enclosure. IP65. Black Pistol handle. Interlocked cover. Defeatable interlocking. The enclosure in the OTE series is using a rigid glass reinforced polycarbonate enclosure. The enclosure is UV protected, protected against low-pressure water jets (IP65), and hence built for outdoor and indoor use. The cable entries are for I-flange and have knock out holes, both from top and bottom. The handle is padlockable and made for three padlocks. The interlocking can be by-passed, for thermographing etc. The switch is made for 5 wire system, and have a fixed neutral terminal and PE terminal. The EMC protection is utilized by a metal plate in the bottom, connected to the cable shield with clamps, included in the delivery. No EMC glands needed.

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	1facd829-5a04-43a7-bf05-fe785d844e9a Finland
Simplified SCIP	85ce1a05-b9f0-4368-a535-e6db3104a107 Germany b4a47350-f5e8-4b9f-a478-ff68129d11ba Germany c0d2a521-1b6b-465c-b661-d823eeafbda7 Portugal 3d0f7579-dd11-42b9-b1a6-2c3570c6a31d Bulgaria 54a9024e-ae07-4da2-a707-c1d09104dc2e Greece 301d5800-c55d-4deb-aaa6-02e05f81904b Germany 6b86c14f-3742-49d2-acd1-52e2824dfb76 Croatia babdf535-dcb8-4768-ba5a-ca632c097d24 Czech Republic 921825ff-2a51-47af-84fc-0fe702e0db8e Germany 82a3fd60-0652-49c6-96bf-9fc063c4e8d4 Germany 87d79302-b7ac-4480-bc4e-150d3304046f France 6ec1d6bf-eaaa-4da2-abe1-72eb75d3f9df Estonia 76102647-f323-40d5-b23a-8db82fbee649 Belgium f0c67085-97c7-4619-883b-a4057e13f1b2 Italy 901ed4f2-6009-4451-b748-730ce18232b6 Poland 35c28afb-01f2-4057-93ef-0aa7acaac723 Sweden fae5afbb-cb7a-4d31-accb-ce267d3a0f37 Poland aab6b926-1bab-48a2-930b-654110fe16f0 Netherlands 6681f1ba-1fdb-4064-8b23-ae8dfc20c1f0 Hungary 0af19c3d-e402-4f18-a655-cd95c0fe1a0e Sweden 4babeacc-454e-4e6d-8e55-c39b48a25523 France fd9c5b14-facb-4d6a-b007-5c232ac84dfc Belgium 52e13712-ebee-4214-a3ac-487343337f66 Norway 7e36ac94-c3a1-4df1-97d0-f02e57101f62 Poland e4ff21c2-0f3a-41db-9de0-f407a50a9123 Hungary f714e3e0-68cc-4f0e-bb49-fa06fb13d6fc Spain 0e6b36eb-f6c1-470c-9ed1-049dd0ea367d Denmark
Toxic Substances Control Act - TSCA	1SCC340095D0201

Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340003M0016 9AKK108466A4485

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)	OTE80GT6B
Country or Territory of Origin	Finland

Dimensions

Product Net Width	200 mm

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Product Net Height	400 mm
Product Net Depth / Length	140 mm
Product Net Weight	4.2 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	213 mm
Package Level 1 Depth / Length	417 mm
Package Level 1 Height	197 mm
Package Level 1 Gross Weight	4.4 kg
Package Level 1 EAN	6417019169859

Technical

Cable Cross-Section	10 ... 70 mm²
Cable Entry Position	Top and/or Bottom
Cable Outlets Per Side	I-flange / I-flange
Color	RAL7035
Connecting Capacity Main Circuit	Screw Clamp 10 ... 70 mm² Screw Clamp / PE Terminal 4pc,10 ... 70 mm²
Conventional Thermal Current (I_{the})	Fully Enclosed 125 A
Degree of Protection	acc. to IEC 60529 IP65
Enclosure Material	Plastic
Handle Color	Black
Handle Type	Pistol handle
Impact Resistance Rating	Housing IK08
Maximum Mounted Auxiliary Contacts	2 NO, 2 NC
Mounted Auxiliary Contacts	1 NO, 0 NC
Neutral Type	Fixed Neutral
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	1
Number of Poles	6P
Pollution Degree	3
Power Loss	at Rated Operating Conditions per Pole 6.3 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 125 A (500 V) 125 A (690 V) 125 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 90 A (500 V) 70 A (690 V) 50 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 45 kW (500 V) 45 kW (690 V) 45 kW
Rated Operational Voltage	Main Circuit 750 V

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Rated Short-Circuit Making Capacity (I_{cm})	(690 V AC) 3.6 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 2.5 kA
Special Functions	EMC
Standards	IEC 60947-1, -3
Tightening Torque	Main Circuit 6 N·m
Wire Stripping Length	20 mm

Technical UL/CSA

Wire Stripping Length	20 mm
Tightening Torque	Main Circuit 6 N·m

Certificates and Declarations

BV Certificate	1SCC340018D0204
Declaration of Conformity - CE	1SCC340004D2705
DNV GL Certificate	1SCC340045D0203

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 (Finland)	3601710
E-Number (Norway)	1425499

Categories

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

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