



PRODUCT-DETAILS

# OTE90T3M

## OTE90T3M EMC safety switch



### General Information

Extended Product Type	OTE90T3M
Product ID	1SCA022812R4240
EAN	6417019274577
Catalog Description	OTE90T3M EMC safety switch

Long Description	<p>EMC safety switch, 3-p. 415V AC23 90A, 45kW. Mounted auxiliary contact: 1NO0NC. Plastic enclosure. IP65. Black Selector 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 threaded and have knock out holes for 2 parallel cables and one control cable, 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.</p>
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### 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
Toxic Substances Control Act - TSCA	1SCC340095D0201

## Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340003M0016 9AKK108466A4485
Mechanical Drawings	OTPK402014SM50.stp

## 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)	OTE80GT3M
Country or Territory of Origin	Finland

## Dimensions

Product Net Width	200 mm
Product Net Height	400 mm
Product Net Depth / Length	140 mm
Product Net Weight	3.6 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	3.7 kg
Package Level 1 EAN	6417019274577

## Technical

Cable Cross-Section	10 ... 70 mm <sup>2</sup>
Cable Entry Position	Top and/or Bottom
Cable Outlets Per Side	2xM50+M16 / 2xM50+M16

Color	RAL7035
Connecting Capacity Main Circuit	Screw Clamp 10 ... 70 mm <sup>2</sup> Screw Clamp / PE Terminal 4pc,10 ... 70 mm <sup>2</sup>
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	Selector 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	3P
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
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
Recommended Screw Driver	Main Circuit Hexagon 4
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
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	Main Circuit 6 N·m

### Certificates and Declarations

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

1SCC340004D2705

1SCC340045D0203

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## External Classifications and Standards

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Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnecter (low voltage)
ETIM 10	EC000216 - Switch disconnecter (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)	3642885
E-Number (Norway)	1429414
E-Number (Sweden)	3134722

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## Categories

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

