

PRODUCT-DETAILS

## OTP16HT3M251 OTP16HT3M251 Safety switch



General Information	
Extended Product Type	OTP16HT3M251
Product ID	1SCA022699R4070
EAN	6417019223230
Catalog Description	OTP16HT3M251 Safety switch
Long Description	Safety switch, 3-p. 415V AC23 16A, 7.5kW. Mounted auxiliary contact: 0NOONC. Plastic enclosure. IP65. Black Selector handle. Interlocked cover. The enclosure in the OTP 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 parallell cables, both from top and bottom. The handle is padlockable and made for three padlocks. The cover is interlocked. The switch is made for 5 wire system, and have a fixed neutral terminal and PE terminal. Two membrane glands and two pull stoppers included.

Material Compliance				
Conflict Minerals Reporting Template (CMRT)		9AKK108467A5658		
REACH Declaration		1SCC340076D0201		
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RoHS Information	1SCC340075D0201
RoHS Status	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	1SCC340015C020
Instructions and Manuals	1SCC340002M001
Environmental	
Degree of Protection	acc. to IEC 60529 IP6
Pollution Degree	
Ordering	
Minimum Order Quantity	1 piec
Customs Tariff Number	8536303(
Country of Origin	Finland (FI
Dimensions	
Product Net Width	85 mn
Product Net Height	120 mn
Product Net Depth / Length	60 mn
Product Net Weight	0.4 kg
Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	106 mn
Package Level 1 Depth / Length	158 mn
Package Level 1 Height	97 mn
Package Level 1 Gross Weight	0.5 kg
Package Level 1 EAN	641701922323(
Technical	
Cable Cross-Section	0.75 10 mm
Cable Entry Position	Top and/or Botton
Cable Outlets Per Side	2xM25 / 2xM25
Connecting Capacity Main Circuit	Screw Clamp 0.75 10 mm Screw Clamp / PE Terminal 2pc,0.75 2.5 mm
Conventional Thermal Current (Ithe)	Fully Enclosed 40 /

Current (I<sub>the</sub>) Degree of Protection Enclosure Material

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Plastic

acc. to IEC 60529 IP65

Handle Type Selector hand Impact Resistance Resistance Housing IKO Rating Maximum Mounted INO, 1 M Auxiliary Contacts NO Number of Auxiliary ONO, 0 NO, 0 N Contacts NO Number of Auxiliary Contacts ND Rated Operational (380 415 V) 16 (G90 V) 32 M (G90 V) 32 M Rated Operational Power Ac23A (Pa) (G90 V) 75 M (G90 V) 7	Handle Color	Black
Impact Resistance Housing IKO Rating Contacts Housing IKO Rating Contacts 100, 1 N Auxiliary Contacts 200, 0 NO, 0 N Contacts 200, 0 No of Auxiliary Contacts N Contacts N Contacts N Contacts N Contacts N Contacts N Contacts 0 Contacts N Contacts 0 Contacts		Selector handle
Rating Maximum Mounted Auxiliary Contacts Auxiliary Contacts On NO, 0 N Contacts On NO, 0 N Contacts On NO, 0 N Contacts On No. 0 N Contacts NC Contac		Housing IK08
Auxiliary Contacts Mounted Auxiliary Contacts Neutral Type Neutral Type Neutral Type Number of Auxiliary Contacts NC Number of Auxiliary Contacts NC Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Number of Poles at Rated Operation Degree Power Loss Rated Operational (380 415 V) 32 Current AC-23A (Ie) (380 415 V) 15 (500 V) 7.5 k (380 415 V) 7.5 k (500 V) 7.5 k (5	-	
Contacts Neutral Type Neutral Type Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Number of Poles 3 Pollution Degree Power Loss at Rated Operational Case (Boo V) 22 Current AC-22A (Ie) (Boo V) 22 Rated Operational (BBO 415 V) 15 Current AC-22A (Ie) (BBO V) 22 Rated Operational (BBO 415 V) 15 Current AC-22A (Ie) (BBO V) 22 Rated Operational (BBO 415 V) 15 (BBO V) 2 Rated Operational (BBO 415 V) 15 (BBO V) 2 Rated Operational (BBO 415 V) 15 (BBO V) 2 Rated Operational (BBO 415 V) 15 (BBO V) 2 Rated Operational (BBO 415 V) 15 (BBO V) 2 Rated Operational (BBO 415 V) 15 (BBO V) 2 Rated Operational (BBO 415 V) 15 (BBO V) 2 (BBO V) 2 Rated Operational (BBO 415 V) 7 (BBO V) 2 (BBO V) 2 Rated Operational (BBO 415 V) 7 (BBO V) 2 (BBO V		1 NO, 1 NC
Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Number of Poles Power Loss at Rated Operating Conditions per Pole 1.6 V Rated Insulation Voltage (U) Rated Operational Current AC-22A (Ie) Current AC-22A (Ie) Current AC-22A (Ie) Current AC-22A (Ie) Current AC-23A (Ie) Current AC-23A (Ie) Carent AC-23A (Ie) Carent AC-23A (Ie) Carent AC-23A (Ie) Carent AC-23A (Ie) Carent AC-23A (Ie) Carent AC-23A (Ie) Comparison of the Auxiliary TS-K Comparison of the Auxiliary TS-K Carent AC-23A (Ie) Carent AC-23A (IE) Caren	-	0 NO, 0 NC
Contacts NC Number of Auxillary Contacts NO Number of Poles Power Loss at Rated Operating Conditions per Pole 1.6 1 Rated Insulation Voltage acc. to IEC/EN 60664-1750 (U) Rated Operational (380 415 V) 23 Current AC-22A (Ie) (500 V) 32 Rated Operational (380 415 V) 16 Current AC-23A (Ie) (500 V) 15 Rated Operational Power (380 415 V) 16 (690 V) 10 Rated Operational Power (380 415 V) 16 (690 V) 12 Rated Operational V) (690 V) 75 Rated Operational (690 V AC) 0.705 k (690 V AC) Voltage (690 V AC) Voltage (180 Current Low Voltage (Iew) Rated Screw Power Cased Cased Power Cased Cased Power Cased Cased Power Cased Cased Power Power Power Cased Power Cased Power	Neutral Type	Fixed neutral
Contacts NO Number of Poles Number of Poles Number of Poles Power Loss at Rated Operating Conditions per Pole 1.6 1 Rated Insulation Voltage Current S Rated Operational Current AC-22A (le) Current AC-22A (le) Current AC-22A (le) Colory 32 Rated Operational Current AC-23A (le) Colory 35 Rated Operational Current AC-23A (le) Curre		0
Pollution Degree Power Loss at Rated Operating Conditions per Pole 1.6 1 Rated Insulation Voltage (U) Rated Operational (380 415 V) 32 Current AC-22A (Ia) (500 V) 32 (500 V) 32 (500 V) 32 (500 V) 15 (500 V) 15 (500 V) 15 (500 V) 7.5 k (	-	0
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Rated Insulation Voltage (U)       acc. to IEC/EN 60664-1750 (U)         Rated Operational Current AC-22A (Ie)       (380 415 V) 32 (500 V) 32 (500 V) 32 (500 V) 32 (500 V) 10 (500 V) 10 (500 V) 10 (500 V) 10 (500 V) 7.5 ki (500 V) 7.5 ki (50	Pollution Degree	3
(Ui)       Rated Operational       (380 415 V) 32         Current AC-22A (Ie)       (500 V) 32         Rated Operational       (380 415 V) 16         Current AC-23A (Ie)       (500 V) 16         Carrent AC-23A (Ie)       (500 V) 10         Rated Operational Power       (380 415 V) 7.5 ki         AC-23A (Pe)       (500 V) 15         Rated Operational Power       (690 V) 7.5 ki         AC-23A (Pe)       (690 V) 7.5 ki         Rated Operational Voltage       Main Circuit 750         Voltage       (690 V AC) 0.705 ki         Rated Short-Circuit       (690 V AC) 0.705 ki         Making Capacity (Icm)       for 1 s 0.5 ki         Withstand Current Low       Voltage         Voltage (Icw.)       Main Circuit Pozidriv         Recommended Screw       Main Circuit 0.8 N/         Vire Stripping Length       10 mr         Technical UL/CSA       10 mr         Wire Stripping Length       10 mr         Recommended Screw       Main Circuit 0.8 N/         Tightening Torque       Main Circuit 0.8 N/         Wire Stripping Length       10 mr         Recommended Screw       Main Circuit 0.8 N/         Tightening Torque       Main Circuit 0.8 N/         Main	Power Loss	at Rated Operating Conditions per Pole 1.6 W
Current AC-22A (Ie) (500 V) 32 (690 V) 32 Rated Operational Current AC-23A (Ie) (380 415 V) 16 (500 V) 32 (690 V) 10 Rated Operational Power (380 415 V) 75 ki AC-23A (Pe) (500 V) 75 ki AC-23A (Pe) (500 V) 75 ki AC-23A (Pe) (500 V) 75 ki Rated Operational (690 V AC) 0.705 ki Making Capacity (Icm) Rated Short-Circuit (690 V AC) 0.705 ki Making Circuit 0.8 ki Main Circuit 0.	-	acc. to IEC/EN 60664-1 750 V
Current AC-23A (le) (500 V) 16 (690 V) 10 (690 V) 15 Ac-23A (Pe) (380415 V) 7.5 ki Ac-23A (Pe) (690 V) 7.5 ki Rated Operational Voltage Rated Short-Circuit (690 V AC) 0.75 ki Making Capacity (lcm) Rated Short-time for 1 s 0.5 k Voltage (lcw) Recommended Screw Main Circuit Pozidriv Driver Standards IEC 60947-1, Tightening Torque Main Circuit 0.8 N-4 Wire Stripping Length 10 mr Recommended Screw Main Circuit Pozidriv Main Circuit Pozidriv Main Circuit 0.8 N-4 Vortage Nain C	•	(380 415 V) 32 A (500 V) 32 A (690 V) 32 A
AC-23A (Pe) (500 V) 7.5 ki (690 V) 7.5 ki Rated Operational Main Circuit 750 Voltage Rated Short-Circuit (690 V AC) 0.705 ki Making Capacity (Icm) Rated Short-time for 1 s 0.5 ki Vithstand Current Low Voltage (Icw) Recommended Screw Main Circuit Pozidriv Driver Standards IEC 60947-1, - Tightening Torque Main Circuit 0.8 N-1 Wire Stripping Length 10 mr Recommended Screw Main Circuit Pozidriv Uire Stripping Length 10 mr Recommended Screw Main Circuit Pozidriv Driver 10 mr		(380 415 V) 16 A (500 V) 16 A (690 V) 10 A
Voltage Rated Short-Circuit (690 V AC) 0.705 k Making Capacity (1cm) Rated Short-Circuit Main Circuit Pozidriv Voltage (1cw) Recommended Screw Main Circuit Pozidriv Driver Standards IEC 60947-1,- Tightening Torque Main Circuit 0.8 N-r Wire Stripping Length 10 mr Recommended Screw Main Circuit Pozidriv UI/CSA Wire Stripping Length 10 mr Recommended Screw Main Circuit Pozidriv Driver Tightening Torque Main Circuit 0.8 N-r Main Circuit 0.8 N-r Main Circuit 0.8 N-r Main Circuit 0.8 N-r	•	(380 415 V) 7.5 kW (500 V) 7.5 kW (690 V) 7.5 kW
Making Capacity (Icm)       for 1 s 0.5 k         Rated Short-time       for 1 s 0.5 k         Withstand Current Low       Voltage (Icw)         Recommended Screw       Main Circuit Pozidriv         Driver       Standards         Standards       IEC 60947-1, -         Tightening Torque       Main Circuit 0.8 N-r         Wire Stripping Length       10 mr         Technical UL/CSA         Wire Stripping Length       10 mr         Recommended Screw       Main Circuit Pozidriv         Driver       10 mr         Tightening Torque       Main Circuit 0.8 N-r         Mire Stripping Length       10 mr         Recommended Screw       Main Circuit 0.8 N-r         Driver       Tightening Torque		Main Circuit 750 V
Withstand Current Low         Voltage (I <sub>cw</sub> )         Recommended Screw         Driver         Standards         Tightening Torque         Main Circuit 0.8 N-f         Wire Stripping Length         10 mr         Technical UL/CSA         Wire Stripping Length         10 mr         Recommended Screw         Driver         Tightening Torque         Main Circuit 0.8 N-f         10 mr         Mire Stripping Length         10 mr         Recommended Screw         Driver         Tightening Torque		(690 V AC) 0.705 kA
Driver       IEC 60947-1, -         Tightening Torque       Main Circuit 0.8 N-r         Wire Stripping Length       10 mr         Technical UL/CSA       10 mr         Wire Stripping Length       10 mr         Recommended Screw       Main Circuit Pozidriv         Driver       10 mr         Tightening Torque       Main Circuit 0.8 N-r	Withstand Current Low	for 1 s 0.5 kA
Tightening Torque       Main Circuit 0.8 N-r         Wire Stripping Length       10 mr         Technical UL/CSA       10 mr         Wire Stripping Length       10 mr         Recommended Screw       Main Circuit Pozidriv         Driver       10 mr         Tightening Torque       Main Circuit 0.8 N-r		Main Circuit Pozidriv 2
Wire Stripping Length       10 mr         Technical UL/CSA       10 mr         Wire Stripping Length       10 mr         Recommended Screw       Main Circuit Pozidriv         Driver       10 mr         Tightening Torque       Main Circuit 0.8 N-r	Standards	IEC 60947-1, -3
Technical UL/CSA         Wire Stripping Length         Recommended Screw         Main Circuit Pozidriv         Driver         Tightening Torque         Main Circuit 0.8 N-r	Tightening Torque	Main Circuit 0.8 N·m
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Recommended Screw     Main Circuit Pozidriv       Driver     Tightening Torque       Main Circuit 0.8 N·r	Technical UL/CSA	
Driver Tightening Torque Main Circuit 0.8 N·r	Wire Stripping Length	10 mm
		Main Circuit Pozidriv 2
Certificates and Declarations	Tightening Torque	Main Circuit 0.8 N·m
Certificates and Decial acivits	Certificates and Declarations	

BV Certificate	1SCC340018D0204
Declaration of Conformity - CE	1SCC340003D2704
DNV GL Certificate	1SCC340045D0203

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Code	
ETIM 8	EC000216 - Switch disconnector
ETIM 9	EC000216 - Switch disconnector (low voltage)
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)	3642241

## Categories

 $\mathsf{Low}\ \mathsf{Voltage}\ \mathsf{Products}\ \mathsf{and}\ \mathsf{Systems} \to \mathsf{Enclosed}\ \mathsf{Switches} \to \mathsf{Enclosed}\ \mathsf{Safety}\ \mathsf{Switches} \to \mathsf{Enclosed}\ \mathsf{Safety}\ \mathsf{Switches}$ 

