

PRODUCT-DETAILS

OTP16HT3M1OTP16HT3M1 Safety switch



General Information	
Extended Product Type	OTP16HT3M1
Product ID	1SCA022400R9320
EAN	6417019130781
Catalog Description	OTP16HT3M1 Safety switch
Long Description	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.

Ordering	
1 piece	
85363030	
Finland (FI)	

Popular Downloads	
Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340002M0012
Mechanical Drawings	OTPK0128560SRM20.stp

Dimensions	
Product Net Width	85 mm
Product Net Height	120 mm
Product Net Depth / Length	60 mm
Product Net Weight	0.4 kg

Rated Operational (280 415 V) 32 A (260 V) 32 A (26		
Current AC-22A (Ia) (500 V) 32.8 (500 V) 32.8 (500 V) 32.8 (500 V) 32.8 (500 V) 15.4 (500 V) 16.4 (500 V) 16	Technical	
Current AC-23A (Ie) (500 y) 15 A (500 y) 15	Rated Operational Current AC-22A (I _e)	(380 415 V) 32 A (500 V) 32 A (690 V) 32 A
AC-23A (Pe) (S90 V) 7.5 kw	Rated Operational Current AC-23A (I _e)	(380 415 V) 16 A (500 V) 16 A (690 V) 10 A
Current (I _{the}) acc. to IEC/EN 60664-1 750 V Rated Insulation Voltage (U) acc. to IEC/EN 60664-1 750 V Rated Operational Voltage Main Circuit 750 V Rated Short-Circuit (690 V AC) 0.705 kA (690 V AC) 0.705 kA Making Capacity (I _{cm}) for 1 s 0.5 kA Rated Short-time Withstand Current (I _{cw}) for 1 s 0.5 kA Power Loss at Rated Operating Conditions per Pole 1.6 W Pollution Degree 3 Handle Color Black Handle Type Selector handle Position of Line Top In - Bottom Out Terminals Top In - Bottom Out Standards IEC 60947-1, -3 Number of Poles Top In - Bottom Out Neutral Type Fixed neutral Connecting Capacity Screw Clamp 0.75 10 mm' Main Circuit Screw Clamp / PE Terminal 2pc,075 2.5 mm' Cable Cross-Section 0.75 10 mm' Cable Entry Position Up/Down Cable Entry Position Question of Neutral Plastic Maximum Mounted 1 NO, 1 NC Maximum Mounted 1 NO, 1 NC	Rated Operational Power AC-23A (P _e)	(380 415 V) 7.5 kW (500 V) 7.5 kW (690 V) 7.5 kW
Rated Operational Main Circuit 750 Voltage Rated Short-Circuit (690 V AC) 0.705 kA Making Capacity (1cm) Rated Short-Circuit (750 V AC) 0.705 kA Making Capacity (1cm) Rated Short-Circuit (1cw) Rated Short-Circuit (1cw) Roll of Shated Short-Circuit (1cw) Power Loss at Rated Operating Conditions per Pole 1.6 W Pollution Degree Handle Color Black Handle Type Selector handle Position of Line Top In - Bottom Out Terminals Standards IEC 60947-1, -3 Number of Poles IEC 60947-1, -3 Number of Auxiliary Ontacts No Number of Auxiliary Ontacts No Number of Neutral Top In - Bottom Out Terminals	Conventional Thermal Current (I _{the})	Fully Enclosed 40 A
Voltage Kasted Short-Circuit (690 V AC) 0.705 kA Making Capacity (Icm) For 1 s 0.5 kA Rated Short-time for 1 s 0.5 kA Withstand Current (Icw) for 1 s 0.5 kA Power Loss at Rated Operating Conditions per Pole 1.6 w Pollution Degree 3 Handle Color Black Handle Type Selector handle Position of Line Top In - Bottom Out Terminals Top In - Bottom Out Standards IEC 60947-1, -3 Number of Poles 3 Neutral Type Fixed neutral Connecting Capacity Screw Clamp 0.75 10 mm² Main Circuit Screw Clamp / PE Terminal 2pc, 0.75 2.5 mm² Cable Cross-Section 0.75 10 mm² Cable Entry Position Up/Down Cable Outlets Per Side 2MM20 / 2MM20 Degree of Protection acc. to IEC 60529 IPG Impact Resistance Housing IKO8 Rating Plastic Maximum Mounted 1 NO, 1 NC Auxiliary 0 NO, 0 NC Contacts NC	Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 750 V
Rated Short-Circuit Making Capacity (tem) Rated Short-time Withstand Current (lcw) Power Loss Pollution Degree Handle Color Handle Type Selector handle Position of Line Top In - Bottom Out Terminals Standards Number of Poles Neutral Type Selector Standards Neutral Type Selector Air Selector Standards Neutral Type Selector Neutral Selector Standards Neutral Type Server Clamp / PE Terminal 2pc,0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Cross-Section Onto Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Server Clamp / PE Terminal 2pc,	Rated Operational Voltage	Main Circuit 750 V
Withstand Current (Icw) Power Loss at Rated Operating Conditions per Pole 1.6 W Pollution Degree Annale Color Black Handle Color Black Handle Type Selector handle Position of Line Top In - Bottom Out Terminals Standards IEC 60947-1, -3 Number of Poles Number of Poles Number of Poles Selector handle Connecting Capacity Screw Clamp 0.75 10 mm² Main Circuit Screw Clamp / PE Terminal 2pc, 0.75 2.5 mm² Cable Cross-Section Cable Entry Position Cable Entry Position Cable Entry Position Cable Outlets Per Side Degree of Protection Cac to IEC 60529 IP65 Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Out Terminals	Rated Short-Circuit Making Capacity (I _{cm})	(690 V AC) 0.705 kA
Pollution Degree	Rated Short-time Withstand Current (I _{cw})	for 1 s 0.5 kA
Handle Color Black Handle Type Selector handle Position of Line Top In - Bottom Out Terminals Number of Poles Neutral Type Fixed neutral Connecting Capacity Screw Clamp 0.75 10 mm² Main Circuit Screw Clamp 1.75 10 mm² Main Circuit Screw Clamp P E Terminal 2pc, 0.75 2.5 mm² Cable Cross-Section 0.75 10 mm² Cable Entry Position Up/Down Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection acc. to IEC 60529 IPc5 Rating Enclosure Material Plastic Maximum Mounted Auxiliary Contacts Nounted Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Out Terminals	Power Loss	at Rated Operating Conditions per Pole 1.6 W
Handle Type Position of Line Top In - Bottom Out Terminals Standards IEC 60947-1, -3 Number of Poles Neutral Type Neutral Type Fixed neutral Connecting Capacity Main Circuit Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Cable Cross-Section O.75 10 mm² Cable Entry Position Cable Outlets Per Side Degree of Protection Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Nounted Auxiliary Contacts Number of Auxiliary Contacts NC Position of Neutral Position of Neutral Top In - Bottom Out Terminals	Pollution Degree	3
Position of Line Top In - Bottom Out Terminals Standards IEC 60947-1, -3 Number of Poles 3 Neutral Type Fixed neutral Connecting Capacity Screw Clamp 0.75 10 mm² Cable Cross-Section 0.75 2.5 mm² Cable Cross-Section Up/Down Cable Entry Position Up/Down Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection acc. to IEC 60529 IP65 Impact Resistance Rating Enclosure Material Plastic Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Position of Neutral Top In - Bottom Out Terminals Top In - Bottom Out Top In - Bottom Out Terminals	Handle Color	Black
Terminals Standards IEC 60947-1, -3 Number of Poles Section Screw Clamp O.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 10 mm² Main Circuit Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Cross-Section Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Cross-Section Up/Down Cable Dutlets Per Side Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Screw Clamp / PE Terminal 2pc,0.75 10 mm² Cable Outlets Per Side Screw Clamp / PE Terminal 2pc,0.75 10 mm² Screw Clamp / PE Terminal 3 Excew Clamp / PE Terminal 3 Screw Clamp / PE Terminal 2pc / Screw Clamp / PE Terminal 3 Screw Clamp / PE Terminal 2pc / Screw Clamp / PE Terminal 3 Screw Clamp / PE Terminal 2pc / Screw Clamp /	Handle Type	Selector handle
Number of Poles Neutral Type Fixed neutral Connecting Capacity Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Cable Cross-Section Cable Entry Position Cable Entry Position Up/Down Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection acc. to IEC 60529 IP65 Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Trop In - Bottom Out Terminals	Position of Line Terminals	Top In - Bottom Out
Neutral Type Connecting Capacity Connecting Capacity Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Cable Cross-Section Cable Entry Position Up/Down Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection acc. to IEC 60529 IP65 Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Out Terminals Fixed neutral Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm² Screw Clamp / PE Termin	Standards	IEC 60947-1, -3
Connecting Capacity Main Circuit Screw Clamp 0.75 10 mm Main Circuit Screw Clamp / PE Terminal 2pc,0.75 2.5 mm Cable Cross-Section 0.75 10 mm Cable Entry Position Up/Down Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Terminals Screw Clamp 0.75 10 mm Screw Clamp	Number of Poles	3
Main Circuit Screw Clamp / PE Terminal 2pc, 0.75 2.5 mm² Cable Cross-Section 0.75 10 mm² Cable Entry Position Up/Down Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection acc. to IEC 60529 IP65 Impact Resistance Housing IK08 Rating Plastic Maximum Mounted Plastic Muxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Out Terminals	Neutral Type	Fixed neutral
Cable Entry Position Cable Outlets Per Side 2xM20 / 2xM20 Degree of Protection acc. to IEC 60529 IP65 Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Out Terminals	Connecting Capacity Main Circuit	Screw Clamp 0.75 10 mm² Screw Clamp / PE Terminal 2pc,0.75 2.5 mm²
Cable Outlets Per Side Degree of Protection Degree of Protection Impact Resistance Rating Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Outlete Terminals	Cable Cross-Section	0.75 10 mm²
Degree of Protection acc. to IEC 60529 IP65 Impact Resistance Rating Enclosure Material Plastic Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Terminals Acc. to IEC 60529 IP65 Bacc. to IEC 60529 IP65 Bounding IKO8 Auxiliary ONO, 1 NO ONO, 0 NO ONO, 0 NO ONO ONO ONO ONO ONO ONO ONO ONO ONO	Cable Entry Position	Up/Down
Impact Resistance Rating Enclosure Material Plastic Maximum Mounted 1 NO, 1 NC Auxiliary Contacts Mounted Auxiliary On NO, 0 NC Contacts Number of Auxiliary Contacts NC Number of Auxiliary On Multiple On Mu	Cable Outlets Per Side	2xM20 / 2xM20
Rating Enclosure Material Plastic Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Terminals	Degree of Protection	acc. to IEC 60529 IP65
Maximum Mounted Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Terminals 1 NO, 1 NC 1 NO, 0 NC 0	Impact Resistance Rating	Housing IK08
Auxiliary Contacts Mounted Auxiliary Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Terminals O NO, 0 NO 0 O 0 O Top In - Bottom Out	Enclosure Material	Plastic
Contacts Number of Auxiliary Contacts NC Number of Auxiliary Contacts NO Position of Neutral Terminals O Top In - Bottom Out	Maximum Mounted Auxiliary Contacts	1 NO, 1 NC
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Contacts NC Number of Auxiliary Contacts NO Position of Neutral Top In - Bottom Out Terminals	Contacts	
Contacts NO Position of Neutral Top In - Bottom Out Terminals	Number of Auxiliary Contacts NC	0
Terminals	Number of Auxiliary Contacts NO	0
Position of PE Terminals Top In - Bottom Out	Position of Neutral Terminals	Top In - Bottom Out
	Position of PE Terminals	Top In - Bottom Out

Environmental

RoHS Status Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)	
BV Certificate	1SCC340018D0204
Declaration of Conformity - CE	1SCC340003D2704
DNV GL Certificate	1SCC340045D0203
Instructions and Manuals	1SCC340002M0012
RoHS Information	1SCC340003D2704

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	106 mm
Package Level 1 Depth / Length	158 mm
Package Level 1 Height	97 mm
Package Level 1 Gross Weight	0.5 kg
Package Level 1 EAN	6417019130781

Classifications	
Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
ETIM 8	EC000216 - Switch disconnector
UNSPSC	39122205
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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



