

PRODUCT-DETAILS

## OTA80S4YX OTA80S4YX ATEX EMC Safety switch



General Information	
Extended Product Type	OTA80S4YX
Product ID	1SCA152741R1001
EAN	6417019839394
Catalog Description	OTA80S4YX ATEX EMC Safety switch
Long Description	ATEX enclosed safety switches are designed for a potentially explosive atmosphere and are made according to ATEX directive 2014/34/EU. The ATEX class is Ex tc III T70°C Dc, used in zone 22. Typical applications for ATEX switches are refineries, mills, conveyor belt in hazardous areas, and dusty environments. The products are delivered with ATEX cable glands. The switches can be used in EMC environment, when used together with EMC cable glands.

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Country of Origin	Bulgaria (BG)
Popular Downloads	

Data Sheet, Technical	1SCC340015C0201
Information	
Instructions and Manuals	1SCC340166M0205

Screw Terminals

20000

acc. IEC 60947-1 2 N·m

Terminal Type

Tightening Torque

Mechanical Durability

Mechanical Drawings OTFK2231614RM40.stp

Product Net Height         230           Product Net Weight         2.1           Technical           Rated Operational Current AC-22A (1, )         (380 415 // 1	Dimensions	
Product Net Depth / Length         118           Length         2.1           Technical         (380 415 V).           Rated Operational Current         (380 415 V).           Ac-22A (I <sub>e</sub> )         (500 V).           Rated Operational Current         (380 415 V).           Ac-22A (I <sub>e</sub> )         (500 V).           Rated Operational Power         (380 415 V).           Ac-23A (I <sub>e</sub> )         (500 V).           Conventional Thermal         (500 V).           Current (I <sub>min</sub> )         (500 V).           Rated Insulation Voltage         ac. to IEC/EN 60664-1.           (U <sub>1</sub> )         Rated Sport-Circuit           Rated Sport-Circuit         (690 V).           Rated Sport-Circuit         (690 V).           Rated Conditional Short-Circuit         (690 V).           Circuit Current (I <sub>min</sub> )         1.           Power Loss         at Rated Operating Conditions per Pole 2.           Pollution Degree         Handle Color           Handle Color         Randle Conditions per Pole 2.           Handle Type         Round ha           Position of Line Terminals         To In - Bottom           Number of Poles         Screw Clamp / PE Terminal Tpos. 635 in Crutt           Cable Entry Position	Product Net Width	160 mm
Length         2.1           Technical         (380 415 V) (500 V)           Rated Operational Current         (380 415 V) (690 V)           AC-22A (1 <sub>e</sub> )         (380 415 V)           Rated Operational Current         (380 415 V)           AC-23A (1 <sub>e</sub> )         (390 V)           Rated Operational Power         (390 V)           AC-23A (1 <sub>e</sub> )         (690 V)           Conventional Themal         Fully Enclosed to (690 V)           Conventional Themal         Fully Enclosed to (690 V)           Current (1 <sub>m</sub> )         (690 V)           Rated Insulation Voltage         acc. to IEC/EN 60664-17           (U <sub>1</sub> )         Rated Operational Voltage           Making Capacity (1 <sub>em</sub> )         (690 V)           Rated Short-Circuit         (690 V)           Making Capacity (1 <sub>em</sub> )         Rated Operating Conditions Short-Circuit (1 <sub>em</sub> )           Virous Curses         at Rated Operating Conditions per Pole 2.           Pollution Degree         Round have to the Condition of Line Terminals         Top In - Bottom           Number of Poles         Connecting Capacity Main         Screw Clamp / PE Terminal 1pcs, 635 r           Cable Entry Position         Jup Operation of Poles         Screw Clamp / PE Terminal 1pcs, 635 r           Cable Entry Position <t< td=""><td>Product Net Height</td><td>230 mm</td></t<>	Product Net Height	230 mm
Rated Operational Current	•	118 mm
Rated Operational Current	Product Net Weight	2.15 kg
AC-22A (1 <sub>e</sub> ) (500 V) 8 (690 V) 8 Rated Operational Current (300 415 V) 3 (500 V) 8 AC-23A (1 <sub>e</sub> ) (500 V) 9 Rated Operational Power (380 415 V) 3 (500 V) 9 Rated Operational Power (380 415 V) 37 AC-23A (P <sub>e</sub> ) (500 V) 37 AC-23A (P <sub>e</sub> ) (600 V) 37 AC-23A (P <sub>e</sub> )	Technical	
AC-23A (I <sub>e</sub> )         (500 V) ± (890 V)           Rated Operational Power AC-23A (P <sub>e</sub> )         (380 415 V) 37 (500 V) 37 (500 V) 37 (690 V) 18.5           Conventional Thermal Current (I <sub>the</sub> )         Fully Enclosed 8 (500 V) 18.5           Rated Insulation Voltage (U <sub>1</sub> )         acc. to IEC/EN 60664-1 78 (U <sub>1</sub> )           Rated Operational Voltage         Main Circuit 78 (690 V) 2.00		(380 415 V) 80 A (500 V) 80 A (690 V) 80 A
AC-23A (Pe)         (500 V) 37 (690 V) 18.5           Conventional Thermal Current (Ine)         Fully Enclosed 8 (690 V) 18.5           Rated Insulation Voltage (U <sub>1</sub> )         acc. to IEC/EN 60664-178 (U <sub>1</sub> )           Rated Operational Voltage         Main Circuit 78 (690 V) 2.5           Rated Short-Circuit Making Capacity (I <sub>cm</sub> )         (690 V) 2.5           Rated Conditional Short-Circuit Current (Inc)         11 (690 V) 2.5           Power Loss         at Rated Operating Conditions per Pole 2.5           Pollution Degree         Handle Color           Handle Type         Round have been supported by the support of Poles           Connecting Capacity Main Circuit Series (Circuit Current (Inc)         Screw Clamp 1.535 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Circuit Series (Clamp / PE Terminal 1pcs, 635 in Clamp / PE Terminal		(380 415 V) 75 A (500 V) 58 A (690 V) 20 A
Current (I <sub>the</sub> )         acc. to IEC/EN 60684-1 78 (U <sub>1</sub> )           Rated Insulation Voltage (U <sub>1</sub> )         acc. to IEC/EN 60684-1 78 (U <sub>1</sub> )           Rated Operational Voltage         Main Circuit 78 (690 V) 2.1 (69		(380 415 V) 37 kW (500 V) 37 kW (690 V) 18.5 kW
Rated Operational Voltage Rated Short-Circuit Rated Short-Circuit Rated Short-Circuit Rated Conditional Short-Circuit (I <sub>cm</sub> ) Rated Conditional Short-Circuit Current (I <sub>nc</sub> ) Rated Conditional Short-Circuit Current (I <sub>nc</sub> )  Power Loss at Rated Operating Conditions per Pole 2.  Pollution Degree Handle Color Handle Type Round ha Position of Line Terminals Top In - Bottom Number of Poles  Connecting Capacity Main Circuit Screw Clamp / PE Terminal 1 pcs, 635 in Circuit Cable Entry Position Up/D Cable Outlets Per Side 2xM40 / 2xM40+1 Degree of Protection acc. to IEC 60529 I Enclosure Type Front Enclosure Type Front Enclosure Material Maximum Mounted Auxiliary Mounted Auxiliary		Fully Enclosed 80 A
Rated Short-Circuit Making Capacity (I <sub>cm</sub> )  Rated Conditional Short- Circuit Current (I <sub>nc</sub> )  Power Loss at Rated Operating Conditions per Pole 2.  Pollution Degree  Handle Color  Handle Type Round ha Position of Line Terminals Top In - Bottom Number of Poles  Connecting Capacity Main Screw Clamp 1.535 i Circuit Screw Clamp / PE Terminal 1 pcs, 635 i Cable Entry Position Up/D  Cable Outlets Per Side 2xM40 / 2xM40+i Degree of Protection Enclosure Type Front Enclosure Material Alumin Maximum Mounted Auxiliary Mounted Auxiliary		acc. to IEC/EN 60664-1 750 V
Making Capacity (I <sub>cm</sub> )  Rated Conditional Short- Circuit Current (I <sub>nc</sub> )  Power Loss at Rated Operating Conditions per Pole 2.  Pollution Degree  Handle Color  Handle Type Round ha Position of Line Terminals Top In - Bottom  Number of Poles  Connecting Capacity Main Screw Clamp 1.535 r Circuit Screw Clamp / PE Terminal 1 pcs, 635 r Circuit Screw Clamp / PE Terminal 1 pcs, 635 r Cable Entry Position Up/D  Cable Outlets Per Side 2xM40 / 2xM40+1 Degree of Protection acc. to IEC 60529 I Enclosure Type Front Enclosure Material Alumin  Maximum Mounted Auxiliary  Mounted Auxiliary  1 NO, 0	Rated Operational Voltage	Main Circuit 750 V
Circuit Current (Inc)  Power Loss at Rated Operating Conditions per Pole 2.  Pollution Degree  Handle Color  Handle Type Round ha  Position of Line Terminals Top In - Bottom  Number of Poles  Connecting Capacity Main Screw Clamp 1.535 r Circuit Screw Clamp / PE Terminal 1 pcs, 635 r Cable Entry Position Up/D  Cable Outlets Per Side 2xM40 / 2xM40 + 1  Degree of Protection acc. to IEC 60529 I  Enclosure Type From  Enclosure Material Alumin  Maximum Mounted 2 NO, 2  Auxiliary Contacts  Mounted Auxiliary		(690 V) 2.1 kA
Pollution Degree Handle Color Handle Type Round ha Position of Line Terminals Top In - Bottom Number of Poles  Connecting Capacity Main Screw Clamp 1.535 in Circuit Screw Clamp / PE Terminal 1 pcs, 635 in Cable Entry Position Up/D  Cable Outlets Per Side 2xM40 / 2xM40+1 Degree of Protection acc. to IEC 60529 I Enclosure Type Front Enclosure Material Alumin Maximum Mounted 2 NO, 2 Auxiliary Contacts  Mounted Auxiliary 1 NO, 0		13 kA
Handle Color  Handle Type Round ha  Position of Line Terminals Top In - Bottom  Number of Poles  Connecting Capacity Main Screw Clamp 1.535 r Circuit Screw Clamp / PE Terminal 1pcs, 635 r  Cable Entry Position Up/D  Cable Outlets Per Side 2xM40 / 2xM40+1  Degree of Protection acc. to IEC 60529 I  Enclosure Type Front  Enclosure Material Alumin  Maximum Mounted Auxiliary 1 NO, 0	Power Loss	at Rated Operating Conditions per Pole 2.8 W
Handle Type Round ha Position of Line Terminals Top In - Bottom Number of Poles  Connecting Capacity Main Circuit Screw Clamp 1.535 r Circuit Screw Clamp / PE Terminal 1 pcs, 635 r Cable Entry Position  Cable Outlets Per Side 2xM40 / 2xM40+1 Degree of Protection acc. to IEC 60529 I Enclosure Type Front Enclosure Material Alumin Maximum Mounted Auxiliary Contacts  Mounted Auxiliary	Pollution Degree	3
Position of Line Terminals  Number of Poles  Connecting Capacity Main Circuit  Cable Entry Position  Cable Outlets Per Side  Degree of Protection  Enclosure Type  Enclosure Material  Maximum Mounted Auxiliary  Mounted Auxiliary  Top In - Bottom  Screw Clamp 1.535 in  Screw Clamp 1.535 in  Screw Clamp / PE Terminal 1pcs, 635 in  Screw Clamp 1.535 in  Screw Clam	Handle Color	Red
Number of Poles  Connecting Capacity Main Circuit Screw Clamp 1.535 r Screw Clamp / PE Terminal 1pcs, 635 r Cable Entry Position Up/D Cable Outlets Per Side 2xM40 / 2xM40+l Degree of Protection Enclosure Type Fron Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary  Screw Clamp / PE Terminal 1pcs, 635 r Screw Clamp / PE Terminal 1pcs, 635 r Screw Clamp 1.535 r Screw Clamp 1.5	Handle Type	Round handle
Connecting Capacity Main Circuit Screw Clamp 1.535 r Screw Clamp / PE Terminal 1pcs, 635 r Cable Entry Position Up/D Cable Outlets Per Side 2xM40 / 2xM40+1 Degree of Protection acc. to IEC 60529 I Enclosure Type Enclosure Material Maximum Mounted Auxiliary Contacts Mounted Auxiliary  Screw Clamp 1.535 r Screw Clamp 1.535 r Screw Clamp 2 No35 r Screw Clamp 1.535 r Screw Clamp 2 PE Terminal 1 pcs, 635 r  Auxiliary Position  Screw Clamp 1.535 r Screw Clamp	Position of Line Terminals	Top In - Bottom Out
Circuit Screw Clamp / PE Terminal 1pcs, 635 r Cable Entry Position Up/D Cable Outlets Per Side 2xM40 / 2xM40+l Degree of Protection acc. to IEC 60529 I Enclosure Type Front Enclosure Material Alumin Maximum Mounted 2 NO, 2 Auxiliary Contacts Mounted Auxiliary	Number of Poles	4
Cable Outlets Per Side 2xM40 / 2xM40+l Degree of Protection acc. to IEC 60529 I Enclosure Type Fron Enclosure Material Alumin Maximum Mounted 2 NO, 2 Auxiliary Contacts Mounted Auxiliary 1 NO, 0	• • •	Screw Clamp 1.535 mm² Screw Clamp / PE Terminal 1pcs, 635 mm²
Degree of Protection acc. to IEC 60529 I Enclosure Type From Enclosure Material Alumin Maximum Mounted Auxiliary Contacts Mounted Auxiliary  1 NO, 0	Cable Entry Position	Up/Down
Enclosure Type Front Enclosure Material Alumin Maximum Mounted 2 NO, 2 Auxiliary Contacts Mounted Auxiliary 1 NO, 0	Cable Outlets Per Side	2xM40 / 2xM40+M16
Enclosure Material Alumin Maximum Mounted 2 NO, 2 Auxiliary Contacts Mounted Auxiliary 1 NO, 0	Degree of Protection	acc. to IEC 60529 IP65
Maximum Mounted 2 NO, 2 Auxiliary Contacts  Mounted Auxiliary 1 NO, 0	Enclosure Type	Frontex2
Auxiliary Contacts  Mounted Auxiliary 1 NO, 0	Enclosure Material	Aluminium
		2 NO, 2 NC
		1 NO, 0 NC

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RoHS Status Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)	
ATEX Certificate	1SCC340068D0201
Declaration of Conformity - CE	1SCC340067D2701
Instructions and Manuals	1SCC340166M0205
RoHS Information	2CMC300025D0001

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	170 mm
Package Level 1 Depth / Length	240 mm
Package Level 1 Height	150 mm
Package Level 1 Gross Weight	2.15 kg
Package Level 1 EAN	6417019839394

Classifications	
Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3640491

## Categories

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

OTA80S4YX 4

