PRODUCT-DETAILS

OTA100S4YX

OTA100S4YX ATEX EMC Safety switch



General Information

Extended Product Type	OTA100S4YX
Product ID	1SCA152711R1001
EAN	6417019838991
Catalog Description	OTA100S4YX ATEX EMC Safety switch
Long Description	ATEX EMC Safety switch, 4-p. 415V AC23 80A, 37kW. Mounted auxiliary contact: 1NO0NC. Aluminium enclosure. IP65. RedYellow Round handle. Interlocked cover. 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.

Circular Value

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SCC340076D0201
RoHS Information	1SCC340075D0201

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Toxic Substances Control Act - TSCA	1SCC340095D0201

Ordering

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

Popular Downloads

Data Sheet, Technical Information	1SCC340015C0201
Instructions and Manuals	1SCC340166M0205
Mechanical Drawings	OTFK2231614RM40.stp

Dimensions

Product Net Width	160 mm
Product Net Height	230 mm
Product Net Depth / Length	118 mm
Product Net Weight	2.15 kg

Technical

Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 80 A (500 V) 60 A (690 V) 40 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 37 kW (500 V) 37 kW (690 V) 37 kW
Conventional Thermal Current (I_{the})	Fully Enclosed 125 A
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 3.6 kA
Rated Conditional Short-Circuit Current (I_{nc})	16.5 kA
Power Loss	at Rated Operating Conditions per Pole 4 W
Pollution Degree	3
Handle Color	Red / Yellow
Handle Type	Round handle
Position of Line Terminals	Top In - Bottom Out
Standards	IEC 60947-1, -3
Special Functions	EMC
Number of Poles	4
Neutral Type	Switchable neutral

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Connecting Capacity Main Circuit	Screw Clamp 10 ... 70 mm² Screw Clamp / PE Terminal 1pc,6 ... 35 mm²
Cable Cross-Section	10 ... 70 mm²
Wire Stripping Length	20 mm
Recommended Screw Driver	Main Circuit Hexagon 4
Cable Entry Position	Top and/or Bottom
Cable Outlets Per Side	2xM40 / 2xM40+M16
Degree of Protection	acc. to IEC 60529 IP65
Impact Resistance Rating	Housing IK09
Enclosure Type	Frontex2
Enclosure Material	Aluminium
Maximum Mounted Auxiliary Contacts	2 NO, 2 NC
Mounted Auxiliary Contacts	1 NO, 0 NC
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	1
Terminal Type	Screw Terminals
Tightening Torque	Main Circuit 6 N·m
Mechanical Durability	20000

Technical UL/CSA

Wire Stripping Length	20 mm
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	Main Circuit 6 N·m

Environmental

RoHS Status	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	1SCC340095D0201

Certificates and Declarations

ATEX Certificate	1SCC340068D0201
Declaration of Conformity - CE	1SCC340067D2701
REACH Declaration	1SCC340076D0201

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	6417019838991

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Classifications

Object Classification Code	Q
ETIM 7	EC000216 - Switch disconnector
ETIM 8	EC000216 - Switch disconnector
ETIM 9	EC000216 - Switch disconnector (low voltage)
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3640458

Categories

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



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