PRODUCT-DETAILS

OT90GTRR6AZ

OT90GTRR6AZ EMC safety switch



General Information

Extended Product Type	OT90GTRR6AZ
Product ID	1SCA148603R1001
EAN	6417019781334
Catalog Description	OT90GTRR6AZ EMC safety switch
Long Description	EMC safety switch, 6-p. 415V AC23 90A, 45kW. Mounted auxiliary contact: 2NO0NC. Steel sheet enclosure. IP65. RedYellow Pistol handle. Interlocked cover. Defeatable interlocking. The enclosed switch is using a galvanised steel enclosure, with polyester coating. It is suitable for outdoor use with respect to UV light and ingress protection. The enclosure have inbuilt gas pressure relief function to protect the user in case of an internal arc. The door is earthed via the hinges. The enclosure is prepared for single and parallell cables. Cable entry types can be blank , ring-flange or C-flange type (FL21), with different cable configuration, like top/bottom or bottom/bottom. The handle is padlockable for 3 padlocks, cover is interlocked, and interlock function can be bypassed for thermographing.

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	1SCC340005M0007
Mechanical Drawings	OTKM404023P4R.stp

Environmental

Degree of Protection	acc. to IEC 60529 IP65
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Country or Territory of Origin	Finland

Dimensions

Product Net Width	400 mm
Product Net Height	400 mm
Product Net Depth / Length	230 mm
Product Net Weight	16.4 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	415 mm
Package Level 1 Depth / Length	510 mm
Package Level 1 Height	325 mm
Package Level 1 Gross Weight	18 kg
Package Level 1 EAN	6417019781334

Technical

Cable Cross-Section	10 ... 70 mm²
Cable Entry Position	Top/Bottom
Cable Outlets Per Side	4xring-flange / 4xring-flange, Knock-outs: 3x10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm
Color	RAL7032
Connecting Capacity	Screw Clamp 10 ... 70 mm²

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Main Circuit	Screw Clamp / PE Terminal 4pc,10 ... 70 mm²
Conventional Thermal Current (I_{the})	Fully Enclosed 90 A
Degree of Protection	acc. to IEC 60529 IP65
Enclosure Material	Steel sheet
Enclosure Type	MSC
Handle Color	Red / Yellow
Handle Type	Pistol handle
Impact Resistance Rating	Housing IK09
Maximum Mounted Auxiliary Contacts	2 NO, 2 NC
Mounted Auxiliary Contacts	2 NO, 0 NC
Neutral Type	No Neutral Terminal
Number of Auxiliary Contacts NC	0
Number of Auxiliary Contacts NO	2
Number of Poles	6P
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out
Rated Conditional Short-Circuit Current (I_{nc})	24 kA
Rated Impulse Withstand Voltage (U_{imp})	12 kV
Rated Insulation Voltage (U_i)	750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 90 A (500 V) 90 A (690 V) 90 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 90 A (500 V) 90 A (690 V) 90 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 45 kW (500 V) 55 kW (690 V) 75 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V AC) 12 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 4 kA
Recommended Screw Driver	Main Circuit Hexagon 4
Special Functions	EMC
Standards	IEC 60947-1, -3
Terminal Type	Screw Terminals
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

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Tightening Torque	Main Circuit 6 N·m

Certificates and Declarations

Declaration of Conformity - CE	1SCC340002D2703

External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (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)

Categories

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





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