PRODUCT-DETAILS

OT80F6

OT80F6 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT80F6
Product ID	1SCA105427R1001
EAN	6417019393629
Catalog Description	OT80F6 SWITCH-DISCONNECTOR
Long Description	6-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle and shaft are not included

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301066M0206
Mechanical Drawings	1SCC301458F0001 1SCC301457F0001 OT63-80F6.igs

Dimensions

Product Net Width	105 mm
Product Net Height	91.5 mm
Product Net Depth / Length	84.5 mm
Product Net Weight	0.6 kg

Technical

Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 80 A (500 V) 80 A (690 V) 80 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 80 A (500 V) 80 A (690 V) 80 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 75 A (500 V) 58 A (690 V) 20 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 22 kW (400 ... 415 V) 37 kW (500 V) 37 kW (690 V) 18.5 kW
Conventional Free-air Thermal Current (I_{th})	q = 40 °C 80 A
Conventional Thermal Current (I_{the})	Fully Enclosed 80 A
Rated Impulse Withstand Voltage (U_{imp})	8 kV
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) 2.1 kA
Rated Short-time Withstand Current (I_{cw})	for 1 s 1.5 kA
Power Loss	at Rated Operating Conditions per Pole 4.5 W
Pollution Degree	3
Handle Type	Knob Handle and shaft not included
Switches Operating Mechanism	Mechanism on Top of the Switch
Distance Between Phases	Standard
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Operating Mode	Front operated
Standards	IEC 60947-3 / UL 508 / CSA C22.2 No. 14
Special Functions	No
Mounting Type	Base mounting
Number of Poles	6
Cable Cross-Section	Cu 1.5...35 mm^2
Degree of Protection	Front IP20
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 2 N·m
Mechanical Durability	20000
Lock Type	No

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 10 Hp (440 ... 480 V AC) Single Phase 20 Hp (550 ... 600 V AC) Single Phase 20 Hp (220 ... 240 V AC) Three Phase 20 Hp (440 ... 480 V AC) Three Phase 40 Hp (550 ... 600 V AC) Three Phase 40 Hp
Ampere Rating UL/CSA	80 A
Tightening Torque UL/CSA	18 in·lb

Environmental

RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	1SCC301183D0201

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	1SCC301167D2704
Environmental Information	1SCC301183D0201
Instructions and Manuals	1SCC301066M0206
RoHS Information	1SCC301183D0202

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	111 mm
Package Level 1 Depth / Length	205 mm
Package Level 1 Height	102 mm
Package Level 1 Gross Weight	0.65 kg
Package Level 1 EAN	6417019393629

Classifications

Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
UNSPSC	39122233
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601464

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

