PRODUCT-DETAILS

OT80F4N2

OT80F4N2 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT80F4N2
Product ID	1SCA105413R1001
EAN	6417019393483
Catalog Description	OT80F4N2 SWITCH-DISCONNECTOR
Long Description	4-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle and shaft are not included

Circular Value

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Environmental Information	1SCC301263D0201
Environmental Product Declaration - EPD	1SCC301279D0201
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
Toxic Substances Control Act - TSCA	1SCC011025D0201

Eco Transparency

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Environmental Product Declaration - EPD	1SCC301279D0201

Ordering

Minimum Order Quantity	10 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301064M0212
Mechanical Drawings	1SCC301452F0001 1SCC301451F0001 OT63-80F4N2.igs
Environmental Product Declaration - EPD	1SCC301279D0201

Dimensions

Product Net Width	70 mm
Product Net Height	91.5 mm
Product Net Depth / Length	72.5 mm
Product Net Weight	0.3 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})	Θ = 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 Low Voltage (I_{cw})	for 1 s 1.5 kA
Rated Conditional Short-	(100 A fuse, ≤415 V) 50 kA

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Circuit Current (I_{nc})	(100 A fuse, 500 V) 100 kA (80 A fuse, 690 V) 50 kA
Power Loss	at Rated Operating Conditions per Pole 4.5 W
Pollution Degree	3
Handle Type	Knob Handle and shaft not included
Fourth Pole Position	Right Side
Fourth Pole Type	Switched - Simultaneous Function
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	4
Cable Cross-Section	Cu 1.5 ... 35 mm²
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
Ampere Rating	80 A
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
Tightening Torque	acc. IEC 60947-1 2 N·m
Tightening Torque UL/CSA	18 in·lb

Environmental

RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental Information	1SCC301263D0201
Toxic Substances Control Act - TSCA	1SCC011025D0201

Certificates and Declarations

ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301167D2704
REACH Declaration	1SCC011021D0201
UL Certificate	cULus certificate OT16-80
VDE Certificate	No certification needed

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Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	84 mm
Package Level 1 Depth / Length	103 mm
Package Level 1 Height	82 mm
Package Level 1 Gross Weight	0.3 kg
Package Level 1 EAN	6417019393483

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)	3601461
E-Number (Sweden)	3171071

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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