



 PRODUCT-DETAILS

OT80F3C

OT80F3C CHANGE-OVER SWITCH



General Information

Extended Product Type	OT80F3C
Product ID	1SCA105402R1001
EAN	6417019393377
Catalog Description	OT80F3C CHANGE-OVER SWITCH
Long Description	80A Manual Change-Over Switch, Handle and shaft need to be ordered separately, Open transition

ABB EcoSolutions

Environmental Product Declaration - EPD	1SCC301273D0201
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Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SCC011021D0201
RoHS Declaration	1SCC011020D0201

RoHS Information

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Popular Downloads

Data Sheet, Technical Information	1SCC303003C0201
Instructions and Manuals	1SCC301054M0006
Environmental Product Declaration - EPD	1SCC301273D0201

Environmental

Degree of Protection	Front IP20
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country or Territory of Origin	Finland

Dimensions

Product Net Width	105 mm 4.13 in
Product Net Height	92 mm 3.62 in
Product Net Depth / Length	85 mm 3.35 in
Product Net Weight	0.64 kg 1.41 lb

Container Information

Package Level 1 Units	box 1 box
Package Level 1 Width	102 mm 4.02 in
Package Level 1 Depth / Length	205 mm 8.07 in
Package Level 1 Height	103 mm 4.06 in
Package Level 1 Gross Weight	0.73 kg 1.61 lb
Package Level 1 EAN	6417019393377

Technical

Cable Cross-Section	1.5 ... 35 mm ²
Conventional Free-air Thermal Current (I_{th})	$\Theta = 40\text{ °C}$ 80 A
Conventional Thermal Current (I_{the})	Fully Enclosed 80 A
Degree of Protection	Front IP20
Distance Between Phases	Standard
Handle Color	Black
Handle Type	Handle and shaft not included

Mounting Type	Base mounting
Number of Poles	3P
Operating Mode	Front
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out, Bottom In - Top Out
Power Loss	at Rated Operating Conditions per Pole 4.5 W
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Insulation Voltage (U_i)	750 V
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)	(380 ... 415 V) 37 kW (500 V) 18.5 kW (690 V) 18.5 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 1.5 kiloampere rms
Standards	UL 98 / IEC60947-3
Switches Operating Mechanism	Mechanism on Top of the Switch
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 2 N·m
Transition Type	Open

Technical UL/CSA

Horsepower Rating UL/CSA	(acc. to UL 200 V) 20 Hp (acc. to UL 208 V) 20 Hp (acc. to UL 240 V) 20 Hp (acc. to UL 480 V) 40 Hp (acc. to UL 600 V) 40 Hp
Tightening Torque	acc. IEC 60947-1 2 N·m

Certificates and Declarations

Declaration of Conformity - CE	1SCC303020D2702
DNV Certificate	1SCC303138D0201

External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnecter (low voltage)
ETIM 10	EC000216 - Switch disconnecter (AC)
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5166 >> Safety switch
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601460
E-Number (Norway)	4363556
E-Number (Sweden)	3171264

Categories

Low Voltage Products and Systems → Switches → Change-over and Transfer Switches → Manual Change-over Switches

