

# OT80F3



Products Low Voltage Products and Systems Switches Switch Disconnectors

## General Information

<b>Extended Product Type:</b>	OT80F3
<b>Product ID:</b>	1SCA105798R1001
<b>EAN:</b>	6417019397016
<b>Catalog Description:</b>	OT80F3 switch-disconnector
<b>Long Description:</b>	3-pole, front operated, base mounted, DIN-rail mountable switch-diconductor / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included

## Additional Information

<b>Ampere Rating UL/CSA:</b>	80 A
<b>Cable Cross-Section:</b>	1.5 ... 35 mm <sup>2</sup>
<b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b>	q = 40 °C 80 A
<b>Conventional Thermal Current (I<sub>the</sub>):</b>	Fully Enclosed 80 A
<b>Country of Origin:</b>	Finland (FI)
<b>Customs Tariff Number:</b>	85365080
<b>Data Sheet, Technical Information:</b>	1SCC301020C0201
<b>Declaration of Conformity - CE:</b>	1SCC301167D2704
<b>Dielectric Test Voltage:</b>	6000 V
<b>E-nummer:</b>	3170941
<b>EAN:</b>	6417019397016
<b>ETIM 5:</b>	EC000216 - Switch disconnector
<b>Earthing Switch Type:</b>	No Additional Type
<b>Electrical Endurance:</b>	6000 cycle
<b>Environmental Information:</b>	1SCC301183D0201
<b>Handle Type:</b>	Handle and shaft not included
<b>Horsepower Rating UL/CSA:</b>	(acc. to UL 200 V) 20 Hp (acc. to UL 480 V) 40 Hp (acc. to UL 208 V) 20 Hp (acc. to UL 240 V) 20 Hp (acc. to UL 600 V) 40 Hp
<b>IIT Publishing Status:</b>	Level 0 - Information enabled
<b>Includes:</b>	None
<b>Industrial IT Certification Level:</b>	0
<b>Instructions and Manuals:</b>	1SCC301064M0001
<b>Invoice Description:</b>	OT80F3 switch-disconnector
<b>Maximum Operating Voltage UL/CSA:</b>	600 V
<b>Mechanical Endurance:</b>	10000 cycle
<b>Minimum Order Quantity:</b>	10 piece
<b>Mounting Type:</b>	Base mounting
<b>Number of Poles:</b>	3
<b>Object Classification Code:</b>	Q
<b>Switches Operating Mechanism:</b>	Mechanism on Top of the Switch
<b>Operating Mode:</b>	Front operated
<b>Order Multiple:</b>	10 piece
<b>Package Level 1 EAN:</b>	6417019397016
<b>Package Level 1 Gross Weight:</b>	0.27 kg

Package Level 1 Height:	64 mm
Package Level 1 Length:	103 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	84 mm
Pollution Degree:	3
Position of Line Terminals:	Top In - Bottom Out
Power Loss:	at Rated Operating Conditions per Pole 2.8 W at Rated Operating Conditions per Pole 4.5 W
Price Category:	Standard
Product Main Type:	OT80
Product Name:	Switch-disconnector
Product Net Depth:	73 mm
Product Net Height:	92 mm
Product Net Weight:	0.27 kg
Product Net Width:	53 mm
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 ( $I_e$ ):	(500 V) 58 A (380 ... 415 V) 75 A (690 V) 20 A
Rated Operational Power AC-23A ( $P_e$ ):	(380 ... 415 V) 37 kW (500 V) 37 kW (690 V) 18.5 kW
Rated Operational Voltage:	750 V
Rated Short-Circuit Making Capacity ( $I_{cm}$ ):	(690 V AC) 1.4 kA
Rated Short-time Withstand Current ( $I_{cw}$ ):	for 1 s 1 kiloampere rms
RoHS Information:	1SCC301183D0201
RoHS Status:	Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2009 Q3
Selling Unit of Measure:	piece
Short Description:	Front operated switch-disconnector
Special Functions:	No
Standards:	IEC 60947-3, UL 508 / CSA C22.2 NO.14
Terminal Type:	Screw Terminals
Tightening Torque:	2 N·m
Tightening Torque UL/CSA:	18 in·lb
Disconnect Switch Type:	Non-Fusible Disconnect Switch
Distance Between Phases:	Standard

