

PRODUCT-DETAILS

# OT160G03K

## OT160G03K SWITCH-DISCONNECTOR



### General Information

Extended Product Type	OT160G03K
Product ID	1SCA138208R1001
EAN	6417019666181
Catalog Description	OT160G03K SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted switch-d disconnecter with protected clamp terminals and with black direct mount handle

### Ordering

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

### Popular Downloads

Data Sheet, Technical Information	1SCC301018B0201
Instructions and Manuals	1SCC301089M0204

### Dimensions

Product Net Width	123 mm
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Product Net Height	130 mm
Product Net Depth / Length	73 mm
Product Net Weight	0.8 kg

## Technical

Rated Operational Current AC-21A ( $I_e$ )	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Current AC-22A ( $I_e$ )	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Current AC-23A ( $I_e$ )	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Power AC-23A ( $P_e$ )	(220 ... 240 V) 45 kW (400 ... 415 V) 75 kW (500 V) 90 kW (690 V) 132 kW
Conventional Free-air Thermal Current ( $I_{th}$ )	q = 40 °C 160 A
Conventional Thermal Current ( $I_{the}$ )	Fully Enclosed 160 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	12 kV
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 1000 V
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity ( $I_{cm}$ )	(690 V) 12 kA
Rated Short-time Withstand Current ( $I_{cw}$ )	for 1 s 4 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(500 V) 30 kiloampere rms (690 V) 24 kiloampere rms
Power Loss	at Rated Operating Conditions per Pole 6.5 W
Pollution Degree	3
Handle Color	Black
Handle Type	Direct mounted pistol type handle
Switches Operating Mechanism	Mechanism at the End of the Switch 03 (Left Side)
Distance Between Phases	Standard
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Operating Mode	Front and side operated
Standards	IEC 60947-3 / UL 98 / CSA C22.2 NO.4
Special Functions	No
Mounting Type	Base mounting
Number of Poles	3
Cable Cross-Section	Cu 10...70 mm <sup>2</sup>
Degree of Protection	Front IP20
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 6 N·m
Mechanical Durability	20000
Lock Type	Yes

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Horsepower Rating UL/CSA	(240 V AC) Single Phase 20 Hp (440 ... 480 V AC) Single Phase 30 Hp
Ampere Rating UL/CSA	125 A
Tightening Torque UL/CSA	53 in·lb

## Environmental

RoHS Status	Following EU Directive 2011/65/EU
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## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	1SCC301210D2701
DNV GL Certificate	1SCC301174D0204
Instructions and Manuals	1SCC301089M0204
UL Certificate	cULus certificate OT160G

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	160 mm 6.3 in
Package Level 1 Depth / Length	244 mm 9.6 in
Package Level 1 Height	96 mm 3.8 in
Package Level 1 Gross Weight	0.9 kg 2 lb
Package Level 1 EAN	6417019666181

## Classifications

Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnecter
ETIM 6	EC000216 - Switch disconnecter
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
UNSPSC	39122233
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Sweden)	3171057

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

