

PRODUCT-DETAILS

## **OT40F6**

## OT40F6 SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT40F6
Product ID	1SCA104936R1001
EAN	6417019390765
Catalog Description	OT40F6 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	1SCC301055M0003
Mechanical Drawings	1SCC301442F0001 1SCC301441F0001 OT16-40F6.igs

Product Net Width	48 mm
Product Net Height	68 mm
Product Net Depth / Length	68 mm
Product Net Weight	0.21 kg

Rated Operational (380415 V) 40 A (500 V) 40 A (690		
Current AC-21A (I <sub>e</sub> )         (5090 V) 40 A (6090 V) 4	Technical	
Rated Operational         (380415.) v) 40 A           Current AC-22A (ta)         (380415.) v) 40 A           Rated Operational         (380415.) v) 24 A           Current AC-22A (ta)         (500 V) 23 A           Current AC-23A (ta)         (500 V) 23 A           Commonity (400415.) v) 14 Medical (400415.) v) 14 Medic	·	
Current AC-22A (le)         (500 V) 40 A (500 V) 42 A (500 V) 23 A (500 V) 25 kW A (500 V) 11 kW (5	Current AC-21A (I <sub>e</sub> )	
Rated Operational         (360 V,) 40 A           Current AC-23A (Ie)         (500 V), 23 A           Rated Operational Power         (500 V), 23 A           Rated Operational Power         (500 V), 12 A           Rated Operational Power         (500 V), 11 KW           Conventional Free-air         q = 40 °C 40 A           Thermal Current (Im)         Fully Enclosed 40 A           Conventional Thermal         Fully Enclosed 40 A           Current (Ide)         8 kW           Rated impulse         8 kW           Withstand Voltage (Using)         3 acc. to IEC/EN 60664-1 750 V           (U)         Amain Circuit 750 V           (V)         (500 V) 0.71 kM           Rated Short-Circuit         (690 V) 0.71 kM           Making Capacity (Icm)         (690 V) 0.71 kM           Voltage         A Rated Operational Conditions per Pole 1.64           Withstand Current (Icw)         600 V) 0.71 kM           Power Loss         at Rated Operating Conditions per Pole 1.64           Withdeen Sperating         Knob           Pollution Degree         3           Handle Type         Knob           Withdeen Sperating         Mechanism on Top of the Switch           Mechanism         Top In - Bottom Out           Dist		(380 415 V) 40 A
Current AC-23A (le)         (500 V) 22A (500 V) 22A (500 V) 2A (500 V) 2A (500 V) 2A (500 V) 2A (500 V) 12A (500 V) 12A (500 V) 12A (500 V) 11 km (500 V) (5	Current AC-22A (I <sub>e</sub> )	·
Rated Operational Power         (28024 V) 7.5 kW           A C-23A (Pa)         (28024 V) 7.5 kW           A C-23A (Pa)         (28024 V) 7.5 kW           Conventional Free-air         q = 40 °C 40 A           Thermal Current (Ith)         The Man Current (Ith)           Conventional Thermal         Fully Enclosed 40 A           Current (Ithe)         Rated Impulse           Rated Impulse         Rated Impulse           Rated Insulation Voltage (Using)         Sec. to IEC/EN 60664-1 750 V           Rated Operational         Acc. to IEC/EN 60664-1 750 V           Voltage         G690 V) 0.71 kM           Rated Short-Circuit         (690 V) 0.71 kM           Raked Short-Lime         (690 V) 0.71 kM           Withstand Current (Icw)         For 1 s. 0.5 kM           Power Loss         at Rated Operating Conditions per Pole 1.6 W           Pollution Degree         3           Handle Type         Machanism on Top of the Switch Mechanism on Top of the Switch Mech	Rated Operational	(380 415 V) 23 A
AC-23A (Pe)         (400415 V) 11 kW (500 V) 11 kW	Current AC-23A (I <sub>e</sub> )	
Conventional Free-air   q + 40 °C 40 AC   Thermal Current (Inh)		· · · · · · · · · · · · · · · · · · ·
Conventional Free-air Thermal Current (Irb.)       q = 40 °C 40 A         Conventional Thermal       Fully Enclosed 40 A         Current (Irb.)       8 kV         Rated Impulse       8 kV         Withstand Voltage (Uimp)       3 kV         Nated Insulation Voltage (Uil)       acc. to IEC/EN 60664-1750 V         Rated Operational       Main Circuit 750 V         Voltage       (690 V) 0.71 kA         Rated Short-Circuit       (690 V) 0.71 kA         Making Capacity (Icm)       for 1 s 0.5 kA         Rated Short-Lime       for 1 s 0.5 kA         Withstand Current (Icw)       3         Power Loss       at Rated Operating Conditions per Pole 1.6 W         Pollution Degree       3         Handle Type       Mechanism on Top of the Switch Mechanism         Distance Between       Standard         Position of Line       Top In - Bottom Out Degree on Control of the Switch One of the Swi	AC-23A (P <sub>e</sub> )	(500 V) 11 kW
Conventional Thermal Current (Ithe) Current (Ithe) Rated Inpulse Withistand Voltage (Uimp )  Rated Insulation Voltage (Uimp )  Rated Operational Rated Operational Rated Short-Circuit Making Capacity (Icm) Rated Short-Circuit Making Capacity (Icm)  Rower Loss Rated Short-time Withistand Current (Icw)  Power Loss Rated Short-Uimp		
Current (Inhe)       8 kW         Rated Insulation Voltage (Uing)       acc. to IEC/EN 60664-1750 V (U)         Rated Operational Voltage (Uing)       Main Circuit 750 V (Voltage)         Rated Short-Circuit Making Capacity (Icm)       (690 V) 0.71 kA         Rated Short-time William (Icm)       for 1 s 0.5 kA         Power Loss       at Rated Operating Conditions per Pole 1.6 W         Power Loss       at Rated Operating Conditions per Pole 1.6 W         Powlution Degree       3         Handle Type       Mechanism on Top of the Switch Mechanism         Switches Operating Mechanism on Top of the Switch Mechanism       Mechanism on Top of the Switch Mechanism         Distance Between Phases       Standard         Position of Line       Top In - Bottom Out Terminals       Bottom In - Top Out Degreating Mode         Operating Mode       Front operated Bottom In - Top Out Degreated Standards       IEC 60947-3 / UL 508 / CSA C222 No. 14         Standards       IEC 60947-3 / UL 508 / CSA C222 No. 14       No         Mounting Type       Base mounting         No Mounting Type       Base mounting         Camber of Poles       Cu 0.7510 mm²         Degree of Protection       Cu 0.7510 mm²         Degree of Protection       Screw Terminals         Terminal Type       Screw Terminals		Fully Enclosed 40 A
Withstand Voltage (Uimp ) Rated Insulation Voltage (Uing) Rated Operational (690 V) 0.71 kA (6	Current (I <sub>the</sub> )	
Rated Insulation Voltage (U) Rated Operational Voltage Rated Operational Voltage Rated Short-Circuit Rated Short-Circuit Rated Short-Circuit Rated Short-Lime Rated Short-Lime Rated Short-Lime Withstand Current (Icw) Power Loss Rated Short-Lime Rated Short-Lime Rower Loss Rated Operating Conditions per Pole 1.6 W Pollution Degree Rated Short-Lime Rated Short-Lime Rated Short-Lime Rated Short-Lime Rower Loss Rated Operating Conditions per Pole 1.6 W Rober Loss Rated Operating Conditions per Pole 1.6 W Rober Lass Rated Operating Short-Lime Rechanism Rechanism Top of the Switch Rechanism Rechanism Top of the Switch Rechanism Rechanism Standard Rechanism Standard Rechanism Rober R	Withstand Voltage (U <sub>imp</sub>	8 kV
(Ui)       Rated Operational     Main Circuit 750 V       Voltage       Rated Short-Circuit     (690 V) 0.71 kA       Making Capacity (Icm)     for 1 s 0.5 kA       Rated Short-time     for 1 s 0.5 kA       Withstand Current (Icw)     Power Loss       Power Loss     at Rated Operating Conditions per Pole 1.6 W       Pollution Degree     3       Handle Type     Knob       Handle and shaft not included       Switches Operating     Mechanism on Top of the Switch       Mechanism     Standard       Distance Between     Standard       Position of Line     Top In - Bottom Out       terminals     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     G       Cable Cross-Section     Cu 0.7510 mm²       Degree of Protection     Front IP20       Terminal Type     Screw Terminals       Tightening Torque     acc. IEC 60947-1 0.8 Nm       Mechanical Durability     20000		acc. to IEC/EN 60664-1 750 V
Voltage       Rated Short-Circuit       (690 V) 0.71 kA         Making Capacity (Icm)       for 1 s 0.5 kA         Rated Short-time       for 1 s 0.5 kA         Withstand Current (Icw)       st Rated Operating Conditions per Pole 1.6 W         Power Loss       at Rated Operating Conditions per Pole 1.6 W         Pollution Degree       3         Handle Type       Knobe Handle and shaft not included         Switches Operating       Mechanism on Top of the Switch Mechanism         Distance Between       Standard         Position of Line       Top In - Bottom Out Terminals         Position of Line       Bottom In - Top Out Dut Terminals         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         Gable Cross-Section       Cu 0.7510 mm²         Degree of Protection       Front IP20         Terminal Type       Screw Terminals         Tightening Torque       acc. IEC 60947-1 0.8 Nm         Mechanical Durability       20000	(U <sub>i</sub> )	
Making Capacity (Icm)       Rated Short-time       for 1 s 0.5 kA         Withstand Current (Icw)       for 1 s 0.5 kA         Power Loss       at Rated Operating Conditions per Pole 1.6 W         Pollution Degree       3         Handle Type       Robb         Switches Operating       Mechanism on Top of the Switch         Mechanism       Mechanism on Top of the Switch         Distance Between       Standard         Position of Line       Top In - Bottom Out         Terminals       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         Gable Cross-Section       Cu 0.7510 mm²         Degree of Protection       Front IP20         Terminal Type       Screw Terminals         Tightening Torque       acc. IEC 60947-1 0.8 N·m         Mechanical Durability       20000	·	Main Circuit 750 V
Withstand Current (Icw) Power Loss at Rated Operating Conditions per Pole 1.6 W Pollution Degree 3 Handle Type Knob Handle and shaft not included Mechanism on Top of the Switch Mechanism Distance Between Standard Phases Position of Line Top In - Bottom Out Terminals Bottom In - Top Out Operating Mode Front operated Standards IEC 60947-3 / UL 508 / CSA C22.2 No. 14 Special Functions Sase mounting Number of Poles Gable Cross-Section Cu 0.7510 mm² Degree of Protection Front IP20 Terminal Type Screw Terminals Tightening Torque Acc. IEC 60947-1 0.8 N·m Mechanical Durability 20000		(690 V) 0.71 kA
Pollution Degree 3 Handle Type Knob Handle and shaft not included Knob Handle and shaft not included Switches Operating Mechanism on Top of the Switch Mechanism  Distance Between Standard Phases  Position of Line Top In - Bottom Out Terminals 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 0.7510 mm² Degree of Protection Front IP20 Terminal Type Screw Terminals Tightening Torque acc. IEC 60947-1 0.8 N·m Mechanical Durability 20000		for 1 s 0.5 kA
Handle TypeKnob Handle and shaft not includedSwitches Operating MechanismMechanism on Top of the SwitchDistance Between PhasesStandardPosition of Line TerminalsTop In - Bottom Out Bottom In - Top OutOperating ModeFront operatedStandardsIEC 60947-3 / UL 508 / CSA C22.2 No. 14Special FunctionsNoMounting TypeBase mountingNumber of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Power Loss	at Rated Operating Conditions per Pole 1.6 W
Handle and shaft not included Switches Operating Mechanism on Top of the Switch Mechanism  Distance Between Standard Phases  Position of Line Top In - Bottom Out Terminals 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 Gable Cross-Section Cu 0.7510 mm² Cable Cross-Section Front IP20 Terminal Type Screw Terminals Tightening Torque acc. IEC 60947-1 0.8 N·m Mechanical Durability 20000	Pollution Degree	3
MechanismDistance Between PhasesStandardPosition of Line TerminalsTop In - Bottom Out Bottom In - Top OutOperating ModeFront operatedStandardsIEC 60947-3 / UL 508 / CSA C22.2 No. 14Special FunctionsNoMounting TypeBase mountingNumber of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Handle Type	
Distance Between Standard Phases  Position of Line Top In - Bottom Out Terminals Bottom In - Top Out Operating Mode Front operated Standards IEC 60947-3 / UL 508 / CSA C22.2 No. 14 Special Functions IEC 60947-3 / UL 508 / CSA C22.2 No. 14 Special Functions No Mounting Type Base mounting Number of Poles Gable Cross-Section Cu 0.7510 mm² Degree of Protection Front IP20 Terminal Type Screw Terminals Tightening Torque acc. IEC 60947-1 0.8 N·m Mechanical Durability 20000		Mechanism on Top of the Switch
TerminalsBottom In - Top OutOperating ModeFront operatedStandardsIEC 60947-3 / UL 508 / CSA C22.2 No. 14Special FunctionsNoMounting TypeBase mountingNumber of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Distance Between	Standard
Operating ModeFront operatedStandardsIEC 60947-3 / UL 508 / CSA C22.2 No. 14Special FunctionsNoMounting TypeBase mountingNumber of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Position of Line	Top In - Bottom Out
StandardsIEC 60947-3 / UL 508 / CSA C22.2 No. 14Special FunctionsNoMounting TypeBase mountingNumber of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Terminals	Bottom In - Top Out
Special FunctionsNoMounting TypeBase mountingNumber of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Operating Mode	Front operated
Mounting Type Base mounting Number of Poles 6 Cable Cross-Section Cu 0.7510 mm² Degree of Protection Front IP20 Terminal Type Screw Terminals Tightening Torque acc. IEC 60947-1 0.8 N·m Mechanical Durability 20000	Standards	IEC 60947-3 / UL 508 / CSA C22.2 No. 14
Number of Poles6Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Special Functions	No
Cable Cross-SectionCu 0.7510 mm²Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Mounting Type	Base mounting
Degree of ProtectionFront IP20Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Number of Poles	6
Terminal TypeScrew TerminalsTightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Cable Cross-Section	Cu 0.7510 mm²
Tightening Torqueacc. IEC 60947-1 0.8 N·mMechanical Durability20000	Degree of Protection	Front IP20
Mechanical Durability 20000	Terminal Type	Screw Terminals
	Tightening Torque	acc. IEC 60947-1 0.8 N·m
Lock Type No	Mechanical Durability	20000
	Lock Type	No

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Horsepower Rating	(110 120 V AC) Single Phase 2 Hp
UL/CSA	(240 V AC) Single Phase 5 Hp
	(440 480 V AC) Single Phase 10 Hp
	(550 600 V AC) Single Phase 15 Hp
	(220 240 V AC) Three Phase 10 Hp
	(440 480 V AC) Three Phase 20 Hp
	(550 600 V AC) Three Phase 25 Hp
Ampere Rating UL/CSA	40 A
Tightening Torque	7 in·lb
UL/CSA	

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

Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	1SCC301166D2703
Environmental Information	1SCC301183D0201
Instructions and Manuals	1SCC301055M0003
RoHS Information	1SCC301183D0202

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	80 mm
Package Level 1 Depth / Length	108 mm
Package Level 1 Height	79 mm
Package Level 1 Gross Weight	0.25 kg
Package Level 1 EAN	6417019390765

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)	3601444

## Categories

OT40F6 4

Low Voltage Products and Systems  $\rightarrow$  Switches  $\rightarrow$  Switch Disconnectors

