

PRODUCT-DETAILS

# **OT250E13C**OT250E13C CHANGE-OVER SWITCH



General Information	
Extended Product Type	OT250E13C
Product ID	1SCA022777R0920
EAN	6417019299181
Catalog Description	OT250E13C CHANGE-OVER SWITCH
Long Description	Handle and shaft has to be ordered separately

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

Popular Downloads	
Data Sheet, Technical Information	1SCC303003C0201
Instructions and Manuals	1SCC303008M0203

Dimensions	
Product Net Width	205 mm
Product Net Height	150 mm

Product Net Depth / Length	160 mm
Product Net Weight	3.6 kg 7.94 lb

Current AC-22A (Ie)         (590 V) 250 A (590 V) 250	Technical	
Current AC-21A (le)         (500 y 250 A (600 y 250	Rated Operational	(380 415 V) 250 A
Rated Operational         (380 415 V) 250 A           Current AC-22A (le)         (690 V) 250 A           Rated Operational         (380 415 V) 250 A           Current AC-23A (le)         (500 V) 250 A           Rated Operational         (380 415 V) 250 A           Current AC-31B (le)         (380 415 V) 250 A           Rated Operational         (380 415 V) 250 A           Current AC-33B (le)         (380 415 V) 140 kW           Rated Operational Power         (380 415 V) 140 kW           AC-23A (Pe)         (500 V) 250 kW           Conventional Free-air         q = 40 °C 250 A           Thermal Current (lth)         q = 40 °C 250 A           Corrent (lthe)         The Pully Enclosed 250 A           Current (lthe)         1000 V           Current (lthe)         1000 V           Rated Insulation Voltage (Uring)         1000 V           Rated Insulation Voltage (Uring)         1000 V           Rated Operational         6 15 W           Voltage         6 5 W           Rated Operational         6 15 W           Voltage         3           Rated Operational         6 15 W           Power Loss         6.5 W           Power Loss         6.5 W	·	(500 V) 250 A
Current AC-22A (Ie)         (500 V) 250 A (500 V) 250		(690 V) 250 A
Rated Operational         (890 V) 250 A           Current AC-23A (le)         (500 V) 250 A           Rated Operational         (890 v) 250 A           Current AC-31B (le)         (890 v) 250 A           Rated Operational         (380 415 V) 250 A           Current AC-31B (le)         (380 415 V) 250 A           Rated Operational Power AC-23A (Pe)         (380 415 V) 140 kW           AC-23A (Pe)         (690 V) 250 A           Conventional Free-air         q = 40 °C 250 A           Thermal Current (lin)         p = 40 °C 250 A           Conventional Thermal         Fully Enclosed 250 A           Current (Lthe)         Taked Mortage           Rated Insulation Voltage (Uinp)         1000 V           Voltage         1000 V           Rated Operational         1000 V           Voltage         1000 V           Rated Operational         6.5 W           Withstand Current (lcw)         6.5 W           Power Loss         6.5 W           Roll Union Degree         3.0 K           Rated Insulation Voltage (Uinp)         1.0 K           Power Loss         6.5 W           Pollution Degree         3.0 K           Rated Operational         8.0 K           Corrent Note o	Rated Operational	
Rated Operational Current AC-23A (le)         (380 415 V) 250 A (500 V) 250 A	Current AC-22A (I <sub>e</sub> )	
Current AC-23A (le)         (500 V) 250 A (690 V) 250 A (150 V) 250	Dated Onevational	
Rated Operational	· · · · · · · · · · · · · · · · · · ·	
Current AC-31B (I <sub>e</sub> )         (380 415 V) 250 A           Rated Operational         (380 415 V) 250 A           Current AC-33B (I <sub>e</sub> )         (380 415 V) 140 kW           Rated Operational Power         (380 415 V) 140 kW           AC-23A (P <sub>e</sub> )         (500 V) 170 kW           Conventional Free-air         q = 40 °C 250 A           Thermal Current (I <sub>th</sub> )         Fully Enclosed 250 A           Conventional Thermal         Fully Enclosed 250 A           Current (I <sub>the</sub> )         12 kV           Rated Impulse         12 kV           Withstand Voltage (U <sub>imp</sub> )         1000 V           Rated Insulation Voltage         1000 V           (I <sub>V</sub> )         1000 V           Rated Operational         1000 V           Voltage         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms           Withstand Current (I <sub>Cw</sub> )         6 for 1 s 8 kiloampere rms	Carronerio Lari (16)	
Rated Operational Current AC-338 (le)         (380 415 V) 250 A           Rated Operational Power AC-238 (le)         (380 415 V) 140 kW (500 V) 170 kW (500 V) 170 kW (500 V) 250 kW (500 V) 250 kW           Conventional Free-air Power Ac-250 A Thermal Current (lth)         Fully Enclosed 250 A           Conventional Thermal Current (lthe)         Fully Enclosed 250 A           Rated Impulse Withstand Voltage (Uirnp )         1000 V           Rated Insulation Voltage (Uirnp )         1000 V           Rated Operational State of Power Actional Current (lcw)         for 1 s 8 kiloampere rms           Power Loss         6.5 W           Power Loss         6.5 W           Pollution Degree         3           Handle Color         Handle and shaft not included Fourth Pole Position         Right Side           Fourth Pole Type         Switched - Simultaneous Function Switches Operating Mechanism         13 (Between the Poles)           Distance Between Position of Line State Between Line Between Li	Rated Operational	(380 415 V) 250 A
Current AC-33B (le)         (380415 V) 140 kW           Rated Operational Power         (580 V) 170 kW           AC-23A (Pe)         (500 V) 170 kW           Conventional Free-air         q = 40 °C 250 A           Thermal Current (lth)         Fully Enclosed 250 A           Conventional Thermal         Fully Enclosed 250 A           Current (lthe)         12 kW           Rated Impulse         12 kW           Withstand Voltage (Uimp)         1000 V           Voltage         1000 V           Rated Operational         60 V           Voltage         65 W           Rated Short-time         for 1 s 8 kiloampere rms           Withstand Current (lcw)         6.5 W           Power Loss         6.5 W           Power Loss         6.5 W           Pollution Degree         3           Handle Color         Black           Handle Type         Handle and shaft not included           Fourth Pole Position         Right Side           Fourth Pole Position         Standard           Witches Operating         Mechanism Between the Poles           Distance Between         Standard           Phases         Top In - Bottom Out, Bottom In - Top Out           Porsition of Line	Current AC-31B (I <sub>e</sub> )	
Rated Operational Power A C-23A (Pe)         (380 415 V) 140 kW (500 V) 170	Rated Operational	(380 415 V) 250 A
AC-23A (Pe)         (500 V) 170 kW           Conventional Free-air         q = 40 °C 250 A           Thermal Current (Ith)         Fully Enclosed 250 A           Conventional Thermal         Fully Enclosed 250 A           Current (Ithe)         Fully Enclosed 250 A           Rated Impulse         12 kV           Withstand Voltage (Uimp )         1000 V           Rated Operational Voltage (Uimp )         1000 V           Rated Short-time         for 1 s 8 kiloampere rms           Withstand Current (Icw)         6.5 W           Power Loss         6.5 W           Power Loss         6.5 W           Pollution Degree         3           Handle Color         Black           Handle Type         Handle and shaft not included           Fourth Pole Position         Skitched - Simultaneous Function           Switches Operating         Mechanism Between the Poles           Mechanism Between the Poles         13 (Between the Poles)           Distance Between         Standard           Position of Line         Top In - Bottom Out, Bottom In - Top Out           Terminals         Top In - Bottom Out, Bottom In - Top Out           Terminals         Top In - Bottom Out, Bottom In - Top Out           Terminals         Top In - Bottom Out, Botto	Current AC-33B (I <sub>e</sub> )	
Conventional Free-air q = 40 °C 250 A Thermal Current (Ith)  Conventional Thermal Fully Enclosed 250 A Current (Ithe)  Rated Impulse 12 kV Withstand Voltage (Uimp) )  Rated Operational Overational Thermal 1000 V (Vi)  Rated Operational Thermal 1000 V Voltage (Uimp) )  Rated Operational Thermal 1000 V Voltage (Uimp) Power Loss 5 6.5 W Pollution Degree 3 8.4 Handle and shaft not included Fourth Pole Position Fully Enclosed 250 A Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism  Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Distance Between Poles Mechanism Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals  Poperating Mode Front operated Mounting Type Base mounting Number of Poles 6 9.4 Degree of Protection Front IP20		
Conventional Free-air Thermal Current (Inh)  Conventional Thermal Current (Inh)  Rated Impulse	AC-23A (P <sub>e</sub> )	
Thermal Current (Ith)  Conventional Thermal Current (Ithe)  Rated Impulse Rated Impulse Rated Insulation Voltage (Uimp) )  Rated Operational Voltage Rated Operational Voltage Rated Short-time R		
Conventional Thermal Current (like)  Rated Impulse Rated Impulse Rated Insulation Voltage (Uimp) )  Rated Insulation Voltage (Ui) Rated Operational Voltage Rated Short-time Rated Short-time Rated Short-time Rated Short-time Rated Short-time Rated Short-time For 1 s 8 kiloampere rms Withstand Current (lcw)  Pollution Degree Rated Short-time Robert Short		q = 40 °C 250 A
Current (Ithe)         2 kV           Rated Impulse         12 kV           Withstand Voltage (Uimp)         1000 V           Rated Insulation Voltage (Uij)         1000 V           Rated Operational         1000 V           Voltage         For 1 s 8 kiloampere rms           Withstand Current (Icw)         6.5 W           Power Loss         6.5 W           Powler Los         6.5 W           Pollution Degree         3           Handle Color         Black           Handle Type         Handle and shaft not included           Fourth Pole Position         Right Side           Fourth Pole Type         Switched - Simultaneous Function           Switches Operating         Mechanism Between the Poles           Mechanism         13 (Between the Poles           Bushase         Standard           Position of Line         Top In - Bottom Out, Bottom In - Top Out           Terminals         Top In - Bottom Out, Bottom In - Top Out           Cerrating Mode         Front operated           Mounting Type         Base mounting           Number of Poles         Front operated           Degree of Protection         Front lP20		Fully Enclosed 250 A
Rated Impulse (Withstand Voltage (Ump ) )		Fully Effclosed 250 A
Withstand Voltage (Uimp ) Rated Insulation Voltage (Uimp ) Rated Operational 1000 V Voltage Rated Short-time for 1 s 8 kiloampere rms Withstand Current (Icw) Power Loss 6.5 W Pollution Degree 3 Handle Color Black Handle Type Handle and shaft not included fourth Pole Position Right Side Fourth Pole Position Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism Steween the Poles Distance Between Standard Phases Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals Operating Mode Front operated Mounting Type Base mounting Number of Poles 4 Degree of Protection Front IP20		12 kV
Rated Insulation Voltage (Ui)  Rated Operational Voltage  Rated Short-time Rated Short-time Withstand Current (Icw)  Power Loss Pollution Degree Rated Color Right Side Fourth Pole Position Switches Operating Mechanism Between the Poles Mechanism Standard Phases Position of Line Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals  Operating Mode Front operated Mounting Type Base mounting Number of Poles  4  Begree of Protection  For 1 s 8 kiloampere rms Standampere rms For 1 s 8 kiloampere rms For 1 s 9 kiloampere rms For 1 s	•	
(Ui)         1000 V           Rated Operational Voltage         1000 V           Rated Short-time Withstand Current (Icw)         for 1 s 8 kiloampere rms           Power Loss         6.5 W           Pollution Degree         3           Handle Color         Black           Handle Type         Handle and shaft not included           Fourth Pole Position         Right Side           Fourth Pole Type         Switched - Simultaneous Function           Switches Operating Mechanism Between the Poles         Mechanism Between the Poles           Standard Phases         Standard           Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals         Top In - Bottom Out, Bottom In - Top Out Terminals           Operating Mode         Front operated           Mounting Type         Base mounting           Number of Poles         4           Degree of Protection         Front IP20	)	
Voltage       For 1 s 8 kiloampere rms         Withstand Current (Icw)       for 1 s 8 kiloampere rms         Power Loss       6.5 W         Pollution Degree       3         Handle Color       Black         Handle Type       Handle and shaft not included         Fourth Pole Position       Right Side         Fourth Pole Type       Switched - Simultaneous Function         Switches Operating       Mechanism Between the Poles         Mechanism       13 (Between the Poles)         Distance Between       Standard         Phases       Top In - Bottom Out, Bottom In - Top Out         Terminals       Top In - Bottom Out, Bottom In - Top Out         Operating Mode       Front operated         Mounting Type       Base mounting         Number of Poles       4         Degree of Protection       Front IP20	Rated Insulation Voltage $(U_i)$	1000 V
Withstand Current (Icw)  Power Loss 6.5 W  Pollution Degree 3  Handle Color Black Handle Type Handle and shaft not included  Fourth Pole Position Right Side  Fourth Pole Type Switched - Simultaneous Function  Switches Operating Mechanism Between the Poles Mechanism Between the Poles Mechanism 13 (Between the Poles)  Distance Between Standard Phases  Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals  Operating Mode Front operated  Mounting Type Base mounting  Number of Poles 4  Degree of Protection Front IP20	Rated Operational Voltage	1000 V
Power Loss 6.5 W Pollution Degree 3 Handle Color Black Handle Type Handle and shaft not included Fourth Pole Position Right Side Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism Standard Phases Distance Between Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals Operating Mode Front operated Mounting Type Base mounting Number of Poles Degree of Protection Front IP20	Rated Short-time	for 1 s 8 kiloampere rms
Pollution Degree 3 Handle Color Black Handle Type Handle and shaft not included Fourth Pole Position Right Side Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism 13 (Between the Poles) Distance Between Phases Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals Operating Mode Front operated Mounting Type Base mounting Number of Poles Degree of Protection Front IP20	Withstand Current (I <sub>cw</sub> )	
Handle Color Handle Type Handle Type Fourth Pole Position Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism 13 (Between the Poles) Distance Between Phases Position of Line Terminals Operating Mode Mounting Type Mounting Type Base mounting Number of Poles Degree of Protection  Black Handle And shaft not included Handle and shaft not included Top In and shaft not inclu	Power Loss	6.5 W
Handle Type Handle and shaft not included Fourth Pole Position Right Side Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism 13 (Between the Poles) Distance Between Standard Phases Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals Operating Mode Front operated Mounting Type Base mounting Number of Poles Degree of Protection Front IP20	Pollution Degree	3
Fourth Pole Position Right Side Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism 13 (Between the Poles) Distance Between Standard Phases Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals Operating Mode Front operated Mounting Type Base mounting Number of Poles Degree of Protection Front IP20	Handle Color	Black
Fourth Pole Type Switched - Simultaneous Function Switches Operating Mechanism Between the Poles Mechanism 13 (Between the Poles) Distance Between Standard Phases Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals Operating Mode Front operated Mounting Type Base mounting Number of Poles Degree of Protection Front IP20	Handle Type	Handle and shaft not included
Switches Operating Mechanism Between the Poles Mechanism 13 (Between the Poles)  Distance Between Standard Phases  Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals  Operating Mode Front operated Mounting Type Base mounting Number of Poles  Degree of Protection Front IP20	Fourth Pole Position	Right Side
Mechanism13 (Between the Poles)Distance Between PhasesStandardPosition of Line TerminalsTop In - Bottom Out, Bottom In - Top Out TerminalsOperating ModeFront operatedMounting TypeBase mountingNumber of Poles4Degree of ProtectionFront IP20	Fourth Pole Type	Switched - Simultaneous Function
Distance Between Phases  Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals  Operating Mode Front operated Mounting Type Base mounting Number of Poles  Degree of Protection Front IP20	Switches Operating	Mechanism Between the Poles
Phases  Position of Line Top In - Bottom Out, Bottom In - Top Out Terminals  Operating Mode Front operated Mounting Type Base mounting Number of Poles 4  Degree of Protection Front IP20	Mechanism	13 (Between the Poles)
Terminals  Operating Mode Front operated  Mounting Type Base mounting  Number of Poles 4  Degree of Protection Front IP20		Standard
Mounting TypeBase mountingNumber of Poles4Degree of ProtectionFront IP20	Position of Line Terminals	Top In - Bottom Out, Bottom In - Top Out
Number of Poles 4 Degree of Protection Front IP20	Operating Mode	Front operated
Number of Poles 4 Degree of Protection Front IP20	Mounting Type	Base mounting
		4
	Degree of Protection	Front IP20
	Transition Type	Open

## Environmental Environmental

## Environmental 1SCC303050D0201 Information

### **Certificates and Declarations (Document Number)**

Declaration of Conformity - CE	1SCC303003D0202
Environmental Information	1SCC303050D0201
Instructions and Manuals	1SCC303008M0203

Container Information	
Package Level 1 Units	1 piece
Package Level 1 Width	160 mm
Package Level 1 Depth / Length	270 mm
Package Level 1 Height	185 mm
Package Level 1 Gross Weight	3.9 kg 8.6 lb
Package Level 1 EAN	6417019299181

Classifications	
Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

#### Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Switches \rightarrow Change-over\ and\ Transfer\ Switches \rightarrow Manual\ Change-over\ Switches$ 

