

SWITCH DISCONNECTOR 3VT3 4-POLE; SWITCH DISCONNECTOR IN= 630A RATED CURRENT WITHOUT AUXILIARY RELEASE WITHOUT AUXILIARY/ALARM SWITCH

Similar to image

Technical data:			
Product designation		3VT1_5 molded case circuit breakers	
Width	mm	185	
Height	mm	275	
Depth	mm	117	
Size of the circuit-breaker		3VT3	
Acceptability for application		switch disconnector	
Product function / ground-fault protection		No	
Continuous current / rated value	A	630	
Short-time current resistance (Icw)		-	
Operating voltage / for main current circuit			
• at 50 Hz / for AC / maximum	V	690	
• at 60 Hz / for AC / maximum	V	690	
• for DC / maximum	V	440	
Impulse voltage resistance / rated value	kV	8	
Number of poles		4	
Active power loss / maximum	W	75	
Performance class for circuit breaker		N	
Operating cycles / maximum	1/h	120	

Operating frequency I Hz 50 - 1 / rated value 1 Hz 50 - 2 / rated value 1 Hz 50 Breaking capacity limit short-circuit current (lcu) IMA 60 - at 240 V / rated value IMA 35 - at 4500 V / rated value IMA 15 - at 240 V / rated value IMA 15 - at 240 V / rated value IMA 40 - at 415 V / rated value IMA 40 - at 415 V / rated value IMA 16 - at 415 V / rated value IMA 18 - at 415 V / rated value IMA 18 - at 415 V / rated value IMA 18 - at 415 V / rated value IMA 10 - at 415 V / rated value IMA 18 - at 450 V / rated value IMA 8 Uthinate short-circuit current making capacity (lcm) / at 415 V/ IMA 75 Mounting type IMA 8 15 Design of the electrical connection / for main current circuit IMA 15 16					
Para	Operating frequency	_			
Breaking capacity limit short-circuit current (icu) - at 240 V / rated value - at 415 V / rated value - at 415 V / rated value - at 630 V / rated value - at 630 V / rated value - at 630 V / rated value - at 240 V / rated value - at 415 V / rated value - at 630 V / rated	• 1 / rated value	Hz	50		
. at 240 V / rated value kA 60 . at 415 V / rated value kA 36 . at 690 V / rated value kA 20 . at 690 V / rated value kA 15 Operating short-circuit current breaking capacity (Ics) *** *** . at 240 V / rated value kA 40 . at 415 V / rated value kA 18 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value kA 15 . at 500 V / rated value kA 25 . at 500 V / rated value kA 10 . at 500 V / rated value kA 10 . at 500 V / rated value ta <	• 2 / rated value	Hz	60		
• at 415 V / rated value kA 20 • at 500 V / rated value kA 20 Operating short-circuit current breaking capacity (lcs) - - • at 240 V / rated value kA 40 • at 415 V / rated value kA 18 • at 450 V / rated value kA 10 • at 680 V / rated value kA 10 Uthinate short-circuit current making capacity (lcm) / at 415 V/ rated value kA 8 Mounting type fixed mounting Mounting type fixed mounting Mounting type fixed mounting Design of the electrical connectors / for main current circuit front side Number of NC contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 • Undervoltage release mechanism No • Undervoltage release with leading contact No • Suitability for use / circuit breaker yes Reference code 7 Reference code / according to DIN EN 61346-2 40 Ambient temperature - 40 • min	Breaking capacity limit short-circuit current (lcu)				
* at 500 V / rated value * at 690 V / rated value Operating short-circuit current breaking capacity (Ics) * at 240 V / rated value * at 415 V / rated value * at 500 V / rated value * At 8 * B * Ultimate short-circuit current making capacity (Icm) / at 415 V / rated value Ultimate short-circuit current making capacity (Icm) / at 415 V / rated value * At 8 * B * Ultimate short-circuit current making capacity (Icm) / at 415 V / rated value Mounting type Design of the electrical connection / for main current circuit Number of the electrical connection / for main current circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts * O * O * O * O * O * O * O * O * O *	at 240 V / rated value	kA	60		
* at 690 V / rated value Operating short-circuit current breaking capacity (ics) * at 240 V / rated value * at 415 V / rated value * at 415 V / rated value * at 690 V / rated value * At 8 * At 10 * At 75 * Tated value * Design of the electrical connection / for main current circuit * Arrangement of electrical connectors / for main current circuit * Arrangement of electrical connectors / for main current circuit * Number of NC contacts / for auxiliary contacts * Number of NC contacts / for auxiliary contacts * Undervoltage release mechanism * Voltage trigger * undervoltage release with leading contact * Ves * Ves * Reference code * And * Ansient temperature * during operating * minimum * cuduring operating * minimum * during storage * minimum * during storage * minimum * during storage * minimum * maximum * Cuduring storage * minimum * maximum * Cuduring storage * minimum * maximum * Cuduring storage * minimum * cuduring storage * mini	at 415 V / rated value	kA	36		
Operating short-circuit current breaking capacity (lcs) • at 240 V / rated value • at 415 V / rated value • at 415 V / rated value • at 690 V / rated value • butinate short-circuit current making capacity (lcm) / at 415 V / rated value Mounting type Mounting type terminals Mounting type terminals Mounting type Mounting type Mounting type terminals Mounting type Mou	at 500 V / rated value	kA	20		
at 240 V / rated value at 415 V / rated value at 450 V / rated value at 690 V / rated value at 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 690 V / rated value At 8 Uttimate short-circuit current making capacity (Icm) / at 415 V / rated value Mounting type Design of the electrical connection / for main current circuit Arrangement of electrical connection / for main current circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Product component - undervoltage release mechanism - Voltage trigger - undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature - during operating - minimum - maximum - "C" - 40 - 40 - auximum - "C" - 40 Derating temperature / for the rated value of the continuous current Utilization category Production class IP - IP40	at 690 V / rated value	kA	15		
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value • at 690 V / rated value Max	Operating short-circuit current breaking capacity (lcs)				
* at 500 V / rated value * at 690 V / rated value National State Nat	at 240 V / rated value	kA	40		
• at 680 V / rated value kA 8 Ultimate short-circuit current making capacity (lcm) / at 415 V / rated value kA 75 Mounting type fixed mounting Design of the electrical connection / for main current circuit screw-type terminals Arrangement of electrical connectors / for main current circuit front side Number of NC contacts / for auxiliary contacts 0 Number of NO contacts / for auxiliary contacts 0 Product component No • undervoltage release mechanism No • Voltage trigger No • undervoltage release with leading contact Yes Suitability for use / circuit breaker Yes Reference code - Reference code / according to DIN EN 61346-2 Q Ambient temperature - • during operating **C • minimum *C • minimum *C • maximum *C Derating temperature / for the rated value of the continuous *C utilization category Fo Protection class IP Fo	at 415 V / rated value	kA	18		
Mounting type	at 500 V / rated value	kA	10		
rated value Mounting type Design of the electrical connection / for main current circuit Arrangement of electrical connectors / for main current circuit Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Product component	at 690 V / rated value	kA	8		
Design of the electrical connector / for main current circuit Arrangement of electrical connectors / for main current circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Product component		kA	75		
Arrangement of electrical connectors / for main current circuit Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Product component • undervoltage release mechanism • voltage trigger • undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • maximum • during storage • minimum • maximum • c	Mounting type		fixed mounting		
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Product component • undervoltage release mechanism • Voltage trigger • undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • auximum • "C" • during storage • minimum • "C" • A0 • during storage • minimum • maximum • "C" • C" 70 Derating temperature / for the rated value of the continuous current Utilization category Protection class IP	Design of the electrical connection / for main current circuit		screw-type terminals		
Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Product component • undervoltage release mechanism • Voltage trigger • undervoltage release with leading contact No Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • maximum • during storage • minimum • maximum • "C" 70 Derating temperature / for the rated value of the continuous current Utilization category Production class IP IP40	Arrangement of electrical connectors / for main current circuit		front side		
Number of changeover contacts / for auxiliary contacts Product component • undervoltage release mechanism • Voltage trigger • undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • according to accordi	Number of NC contacts / for auxiliary contacts		0		
Product component • undervoltage release mechanism • Voltage trigger • undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • "C" -40 • maximum • during storage • minimum • "C" -40 • maximum • "C" -70 Derating temperature / for the rated value of the continuous current Utilization category Protection class IP No No No No No A Potesting tergease mechanism No A O C -40 -40 -55 -55	Number of NO contacts / for auxiliary contacts		0		
Unification category Unification category Unification category Unification category Unification category Unification category No No No No No No No No No N	Number of changeover contacts / for auxiliary contacts		0		
Voltage trigger • undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • during storage • minimum • during storage • minimum • maximum • moximum • c Derating temperature / for the rated value of the continuous current Utilization category Protection class IP No A Poses Yes A Poses - A No No No A Poses Yes - A A Poses Figure 1 No No No A Poses Yes - A No No A Poses Yes - A No No A Poses Figure 2 No No A No No A Poses Figure 3 No No A No No A Poses Figure 3 No No A No A Poses Figure 3 No No A No No A No No A Poses Figure 3 No No A No No A No No A No No	Product component				
• undervoltage release with leading contact Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • during storage • minimum • during storage • minimum • maximum • c	undervoltage release mechanism		No		
Suitability for use / circuit breaker Reference code Reference code / according to DIN EN 61346-2 Ambient temperature	Voltage trigger		No		
Reference code Reference code / according to DIN EN 61346-2 Ambient temperature	undervoltage release with leading contact		No		
Reference code / according to DIN EN 61346-2 Ambient temperature • during operating • minimum • maximum • during storage • minimum • c	Suitability for use / circuit breaker		Yes		
Ambient temperature • during operating • minimum • maximum • during storage • minimum • maximum • °C 70 • during storage • minimum • °C • A0 • maximum ° °C 70 Derating temperature / for the rated value of the continuous current Utilization category Protection class IP IP40	Reference code		-		
 during operating minimum C -40 maximum C 70 during storage minimum C -40 maximum C -40 maximum C 70 Derating temperature / for the rated value of the continuous current C 55 Utilization category A Protection class IP IP40 	Reference code / according to DIN EN 61346-2		Q		
 minimum maximum C during storage minimum C maximum C TO TO<!--</td--><td>Ambient temperature</td><td></td><td></td>	Ambient temperature				
 maximum during storage minimum maximum C -40 maximum C 70 Derating temperature / for the rated value of the continuous current C 55 Utilization category A Protection class IP IP40 	during operating				
 during storage minimum maximum C 70 Derating temperature / for the rated value of the continuous current Utilization category Protection class IP 	• minimum	°C	-40		
 minimum maximum C 70 Derating temperature / for the rated value of the continuous current C S5 Utilization category A Protection class IP IP40 	• maximum	°C	70		
• maximum C 70 Derating temperature / for the rated value of the continuous current C 55 Utilization category A Protection class IP IP40	during storage				
Derating temperature / for the rated value of the continuous current Outilization category Protection class IP Outilization category IP40	• minimum	°C	-40		
Current Utilization category A Protection class IP IP40	• maximum	°C	70		
Protection class IP IP40		°C	55		
	Utilization category		A		
Product function	Protection class IP		IP40		
	Product function				

overload protection	No
• for zero conductors / short-circuit and overload protection	No
mounting position	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mechanical operating cycles as operating time / typical	20,000
Electrical operating cycles as operating time / typical	5,000

Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other	
6 021	C E	Type Test Certificates/Test Report	other	Environmental Confirmations

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VT3763-2EE46-0AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3VT3763-2EE46-0AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT3763-2EE46-0AA0

CAx-Online-Generator

http://www.siemens.com/cax

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