SIEMENS

Data sheet

5SM3621-4KK14

Residual current operated circuit breaker, 2-pole, type B+, short-time delayed, In: 16 A, 300 mA, Un AC: 230 V



Model		
Product brand name	SENTRON	
Product designation	RCCB	
Design of the product	Short-time delayed	
General technical data		
Number of poles	2	
Size of installation devices / acc. to DIN 43880	1	
Protection against electrical shock	Finger and back-of-hand safe	
Short-circuit current rating	10 kA	
circuit-breaker / Design	5SM3	
Mechanical service life (switching cycles) / typical	10 000	
Switching function / short-term delayed	Yes	
Overvoltage category	III	
Supply voltage		
Supply voltage		
• at AC / rated value	230 V	
 for testing equipment / minimum 	195 V	
Supply voltage frequency		

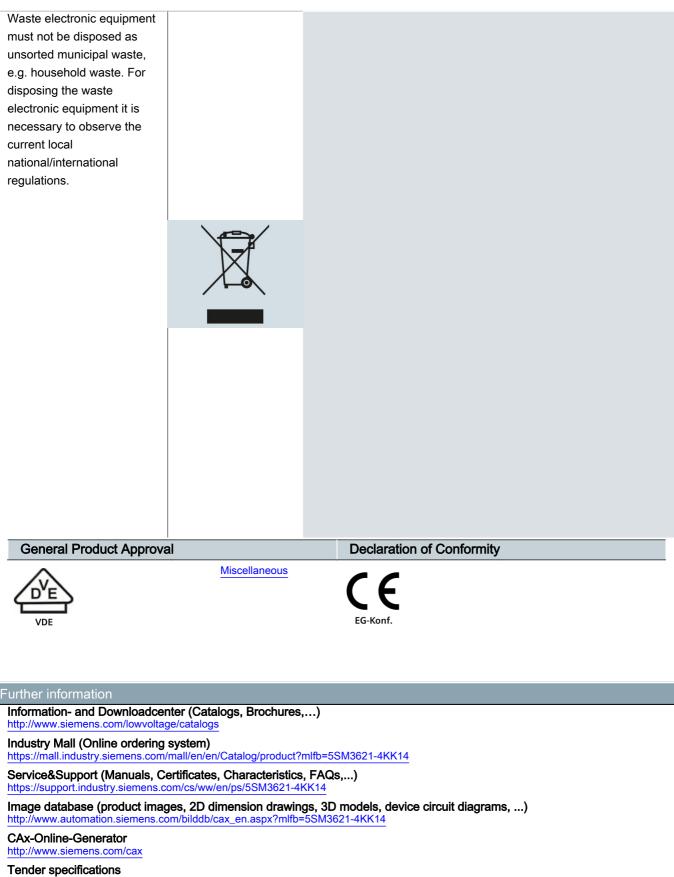
• rated value	50 Hz
Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
Switching capacity current / according to IEC 61008- 1 / rated value	0.8 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.4 W
Electricity	
Tripping residual current / rated value	300 mA
Tripping residual / rated value / derated current	
• at 40 Cel	16 A
● at 45 Cel	16 A
● at 50 Cel	15.36 A
• at 55 Cel	14.72 A
• at 60 Cel	14.08 A
• at 65 Cel	13.44 A
• at 70 Cel	12.8 A
Type of fault current	B+
Current / at AC / rated value	16 A
l2t-value / permissible	70 000 A²·s
Surge current resistance / rated value	3 kA
Operating frequency	50/60Hz
Product details	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
Connections	
Connectable conductor cross-section / stranded	
• minimum	1.5 mm ²
• maximum	25 mm ²
Connectable conductor cross-section / solid	
• minimum	1.5 mm ²
• maximum	25 mm ²
Tightening torque / with screw-type terminals	

• minimum	2.5 N·m
• maximum	3 N·m
Position / of power supply cord	Top or bottom (bottom for SIGRES function also in switched-off state)

Mechanical Design		
Height	90 mm	
Width	72 mm	
Depth	70 mm	
Mounting position	any	
Installation depth	70 mm	
Number of width units	4	
Mounting type	DIN rail (REG)	
Net weight	570 g	
Environmental conditions		
Ambient temperature		
• minimum	-25 °C	
• maximum	45 °C	
 during storage / minimum permissible 	-40 °C	
• during storage / maximum permissible	75 °C	
Certificates		
Reference code		

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• acc. to DIN EN 81346-2



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