SIEMENS

Data sheet 3VA2710-1AC06-1BB1-Z K52+T30

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU350, LSI, In=1000A rotary coding switch Ir=400...1000A Isd=1...10xIn, Ii=1.5...15xIn N conductor protec. adjustable opt. w. ext. CT; up to 200% front bus connector offset No communication connection, no measurement function Motorized operating mechanism 24...30 V AC/DC incl. S21 spring energy store signaling switch With electr. and mech. calling Switch-on solenoid (CC) 24 V AC/DC with 2nd auxiliary release UVR, instant Undervoltage 24 V AC/DC with 1st auxiliary release, ST Shunt release 24 V AC/DC K52= Auxiliary current switch AUX 2 CO + 2 CO Variant 2x 400 V AC + 2x 24 V DC T30= Door sealing frame IP30 for fixed-mounted circuit breaker

Model	
product designation	Molded case circuit breaker
design of the product	MCCB
design of the actuating element	spring actuator
type of the driving mechanism	motor drive
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	ETU350
General technical data	
number of poles	3
mechanical service life (operating cycles) / typical	10 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	2 000
insulation voltage / rated value	1 000 V
operational current	
● at 45 °C / rated value	1 000 A
continuous current / rated value / maximum	1 000 A
Supply voltage	
operating voltage	
● at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP / on the front	IP30
Breaking Capacity	
switching capacity class of the circuit breaker	M
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	30 W
● maximum	90 W
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	4
Suitability	
suitability for use	system protection
Adjustable parameters	
adjustable current response value current / of the short-time delayed short-circuit release	
● initial value	1 000 A
● full-scale value	10 000 A
adjustable current response value current / of the current-dependent overload release / initial value	400 A
Product details	
product component	
● trip indicator	Yes
● voltage trigger	Yes
● undervoltage release	Yes
Product function	
product function	
● grounding protection	No

● communication function	No
Display and operation	
display version	Without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
● at 240 V / rated value	100 kA
● at 415 V / rated value	55 kA
● at 440 V / rated value	55 kA
● at 500 V / rated value	36 kA
● at 690 V / rated value	25 kA
maximum short-circuit current breaking capacity (Icu)	
● at 240 V / rated value	100 kA
● at 415 V / rated value	55 kA
● at 440 V / rated value	55 kA
● at 500 V / rated value	36 kA
● at 690 V / rated value	25 kA
short-circuit current making capacity (Icm)	
● at 240 V / rated value	220 kA
● at 415 V / rated value	121 kA
● at 440 V / rated value	121 kA
● at 500 V / rated value	75.6 kA
● at 690 V / rated value	53 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection at front, rail widening included
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	296 mm
width	210 mm
depth	183 mm
fastening method	fixed mounting
net weight	14 kg
Environmental conditions	
ambient temperature / during operation	
● minimum	-25 °C
● maximum	70 °C
ambient temperature / during storage	
● minimum	-40 °C
● maximum	70 °C
Further information	

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2710-1AC06-1BB1-Z K52+T30
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2710-1AC06-1BB1-Z K52+T30
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2710-1AC06-1BB1-Z K52+T30
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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