SIEMENS

Data sheet 3WL1112-2CB66-1AA2-Z K07+P01+T40

Draw-out circuit breaker with slide-in module frame 3-pole, Size 1, IEC In=1250 A up to 690 V, 50/60 Hz AC Icu=55 kA at 500 V Rear horizontal connection Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC K07= Tripped signaling contact, 1 CO not possible with option F02 P01= Retrofitted to Connection on front double hole T40= Door sealing frame

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	Pushbutton
type of the driving mechanism	Manual operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	1
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
● at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
protection class IP / on the front	IP41
protection function of the overcurrent release	LSI
Dissipation	
power loss [W]	
● for rated value of the current / at AC / in hot operating state / per pole	68.3 W
● maximum	205 W
Current	
operational current	
● at 40 °C / rated value	1 250 A
● at 45 °C / rated value	1 250 A
● at 50 °C / rated value	1 250 A
● at 55 °C / rated value	1 250 A
● at 60 °C / rated value	1 250 A
● at 65 °C / rated value	1 250 A
● at 70 °C / rated value	1 210 A
continuous current / rated value / maximum	1 250 A
continuous current / rated value	1 250 A
adjustable current response value current	
● of the current-dependent overload release / full-scale value	1 250 A
● of instantaneous short-circuit trip unit / minimum	25 000 A
● of instantaneous short-circuit trip unit / maximum	25 000 A
Main circuit	
operating frequency	
● 1 / rated value	50 Hz

● 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
Suitability	
suitability for use	Plant / motor protection
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	500 A
Product details	
product component	
● trip indicator	Yes
● voltage trigger	No
● undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	Yes
Product function	
product function	
● grounding protection	No
● phase failure detection	Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
● at 415 V / rated value	55 kA
● at 500 V / rated value	55 kA
● at 690 V / rated value	42 kA
breaking capacity maximum short-circuit current (Icu)	
● at 415 V / rated value	55 kA
● at 500 V / rated value	55 kA
● at 690 V / rated value	42 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection top front/bottom double hole
type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
height	460 mm
width	320 mm
depth	456 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
● minimum	-40 °C
● maximum	70 °C
ambient temperature / during storage	
● minimum	-40 °C
● maximum	80 °C

Further information

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2CB66-1AA2-Z K07+P01+T40
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2CB66-1AA2-Z K07+P01+T40
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2CB66-1AA2-Z K07+P01+T40
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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