SIEMENS

Data sheet 3WL1216-4CB34-4AN2-Z A05+C11+C22+F31+K07+S07

fixed-mounted circuit breaker 3-pole, size II, IEC In=1600A to 690V, AC50/60Hz Icu=100kA at 500V frnt.conn. top/bot. dual-hole Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC A05= Version for 1000 V C11= electrical On with sealing cap not possible with option F02 C22= Ready indicator F31= EMC filter K07= Tripped signaling contact, 1 CO not possible with option F02 S07= Castell/Fortress in Off position with 4 padlocks (Safe Off/disconnector function) Disconnector condition in compliance with IEC 60947-2

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/motorized operating mechanism with mechanical and electrical closing
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	ETU25B
General technical data	
number of poles	3
size of the circuit-breaker	2
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	1 000 V
Protection class	
protection class IP	IP20
● protection class IP / on the front	IP20
● 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	28.3 W
● maximum	85 W
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	640 A
Product details	
product component	
● trip indicator	Yes
● voltage trigger	No
● undervoltage release	Yes

design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
● grounding protection	No
● phase failure detection	Yes
Display and operation	
display version	without display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
● at 415 V / rated value	100 kA
● at 500 V / rated value	100 kA
● at 690 V / rated value	85 kA
maximum short-circuit current breaking capacity (Icu)	
● at 415 V / rated value	100 kA
● at 500 V / rated value	100 kA
● at 690 V / rated value	85 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	507 mm
width	460 mm
depth	369 mm
fastening method	fixed mounting
Environmental conditions	
ambient temperature / during operation	
● minimum	-20 °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=3WL1216-4CB34-4AN2-Z A05+C11+C22+F31+K07+S07
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-4CB34-4AN2-Z A05+C11+C22+F31+K07+S07
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-4CB34-4AN2-Z A05+C11+C22+F31+K07+S07
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

last modified: 6/19/2023