SIEMENS

Data sheet

3WL1240-4FG67-5AM2-Z A05+C22+F40+K07+R15+S07+T40

Draw-out circuit breaker with slide-in module frame 3-pole, Size 2, IEC In=4000 A up to 690 V, 50/60 Hz AC Icu=100 kA at 500 V Rear vertical connection Overcurrent release ETU 45 LSING protection adjustable 0.4-1 in with display and cubicle bus with ground fault protection Opt.: Comm./measuring func./ZSS Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 110-127 V AC, 110-125 V DC 2NO+2NC A05= Version for 1000 V C22= Ready indicator F40= Sealing disc for ETU25-76 for protection against unauthorized operation K07= Tripped signaling contact, 1 CO not possible with option F02 R15= Position signaling switch, withdrawable part 3 changeover contacts S07= Castell/Fortress in Off position with 4 padlock (Safe Off/disconnector function) Disconnector condition in compliance with IEC 60947-2 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/motorized operating mechanism with mechanical and electrical closing
type of the driving mechanism / motor drive	Yes
design of the overcurrent release	ETU45B
General technical data	
number of poles	3
size of the circuit-breaker	2
utilization category	В
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 function of the overcurrent release	LSING
Dissipation	
power loss [W]	
 for rated value of the current / at AC / in hot operating state / per pole 	308.3 W
• maximum	925 W
Current	
continuous current / rated value / maximum	4 000 A
continuous current / rated value	4 000 A
adjustable current response value current	
 of the current-dependent overload release / full-scale value 	4 000 A
• of instantaneous short-circuit trip unit / initial value	6 000 A
 of instantaneous short-circuit trip unit / full-scale value 	48 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz

• 2 / rated value	60 Hz
• 2 / rated value	00 HZ
operational current • at 40 °C / rated value	4 000 A
• at 50 °C / rated value	4 000 A 3 950 A
• at 55 °C / rated value	3 950 A
Auxiliary circuit	3 930 A
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
Suitability	2
•	Dlant / mater protection
suitability for use	Plant / motor protection
Adjustable parameters	
adjustable current response value current	4 000 A
of the L-trip / with l4t characteristic / initial value of the L-trip / with l4t characteristic / full cools value	1 600 A 4 000 A
of the L-trip / with l4t characteristic / full-scale value adjustable surrent response value surrent / of the surrent	1 600 A
adjustable current response value current / of the current- dependent overload release / initial value	1 600 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 	Yes
phase failure detection	Yes
Display and operation	
display version	WITH 4-LINE DISPLAY
Short circuit	
breaking capacity operating short-circuit current (lcs)	
at 415 V / rated value	100 kA
at 500 V / rated value	100 kA
at 690 V / rated value	85 kA
at 1000 V / rated value	85 kA
breaking capacity maximum short-circuit current (Icu)	
at 415 V / rated value	100 kA
at 500 V / rated value	100 kA
• at 690 V / rated value	
	85 kA
at 1000 V / rated value	85 KA 85 kA
Connections	
Connections arrangement of electrical connectors / for main current	85 kA
Connections arrangement of electrical connectors / for main current circuit	85 kA Main terminal on the rear vertical
Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit	85 kA Main terminal on the rear vertical
Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design	Main terminal on the rear vertical busbar connection
Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height	85 kA Main terminal on the rear vertical busbar connection 465.5 mm
Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width	85 kA Main terminal on the rear vertical busbar connection 465.5 mm 460 mm
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm
Connections arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm drawer unit
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm drawer unit
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arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation • minimum • maximum	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm drawer unit -40 °C 55 °C
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation • minimum • maximum ambient temperature / during storage	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm drawer unit -40 °C 55 °C
arrangement of electrical connectors / for main current circuit type of electrical connection / for main current circuit Mechanical Design height width depth fastening method Environmental conditions ambient temperature / during operation • minimum • maximum ambient temperature / during storage • minimum	Main terminal on the rear vertical busbar connection 465.5 mm 460 mm 450.5 mm drawer unit -40 °C 55 °C

reference code

• acc. to DIN EN 61346-2

• acc. to IEC 81346-2

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Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1240-4FG67-5AM2-Z\ A05+C22+F40+K07+R15+S07+T40}$

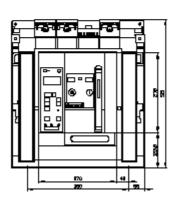
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3WL1240-4FG67-5AM2-Z A05+C22+F40+K07+R15+S07+T40

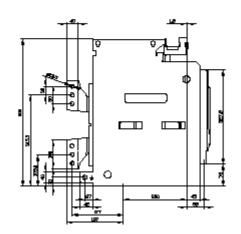
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

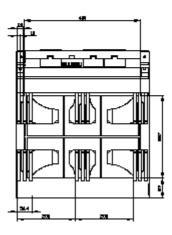
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1240-4FG67-5AM2-Z_A05+C22+F40+K07+R15+S07+T40

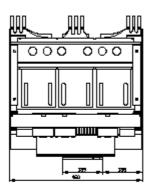
Tender specifications

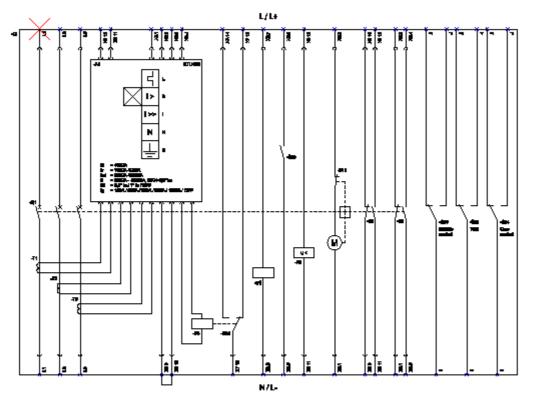
http://www.siemens.com/specifications











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