SIEMENS

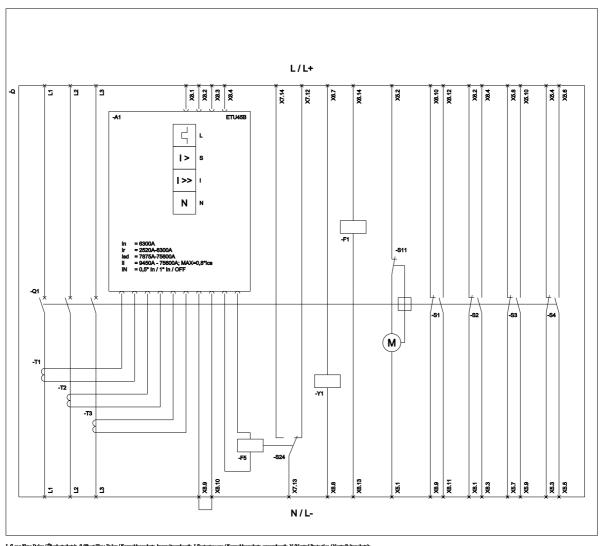
Data sheet

3WL1363-4EB61-5FA4-Z K07+S08+S55

Fixed-mounted circuit breaker 3-pole, Size 3, IEC In=6300 A to 690 V, 50/60 Hz AC Icu=100 kA at 500 V Rear vertical connection Overcurrent release ETU45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm. /measuring func./ground fault/ 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 With 1st auxiliary release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC, 100% on-load factor without 2nd auxiliary release 4NO+4NC K07= Tripped signaling contact, 1 CO not possible with option F02 S08= RONIS locking device in OFF position (safe OFF/disconnector functionality) Disconnector condition in compliance with IEC 60947-2 Disconnector condition in compliance with IEC 60947-2 S55= Mutual mechanical interlock 2 m

product brank name SENTRON product designation ACB design of the product IEC 60947-2 design of the actuating element Pushtuton 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 Contral technical data	Model	
design of the product IEC 60947-2 design of the product Pushbuton ype of the driving mechanism / motor drive Yes design of the driving mechanism / motor drive Yes design of the driving mechanism / motor drive Yes design of the driving mechanism / motor drive Yes design of the driving mechanism / motor drive Yes design of the driving mechanism / motor drive Yes Concret technical data Turner number of poles 3 size of the circuit-breaker 3 uilization category B circuit-breaker / Design 3WL1 Voltage Texted value 1000 V insulation voltage Uj 1 000 V insulation voltage Uj 1 000 V insulation voltage I/ atd value 680 V Protection class IP IP20 • protection function of the overcurrent release LSIN Dissipation 900 W Main circuit 900 W Main circuit 50 Hz • 1 / rated value 60 Hz Auxiliary circuit 4 Number of NO contacts / for auxiliary contacts 4 Number of NO contacts / for auxiliary contacts 4 Suitability Suitability <t< td=""><td>product brand name</td><td>SENTRON</td></t<>	product brand name	SENTRON
design of the actualing element Pushbutton type of the driving mechanism motor drive Yes design of the overcurrent release ETU458 Central technical data number of poles size of the circuit-breaker 3 size of the circuit-breaker 3 utilization category B circuit-breaker / Design 3WL1 Voltage 1000 V Rated insulation voltage UI 1000 V insulation voltage / tated value 600 V operating voltage 600 V • at AC / at 5060 tk / rated value 600 V Protection class IP IP20 • protection class IP IP20 • protection class IP / on the front IP20 • protection class IP IP20 • protection function of the overcurrent release LSIN Dissipation 900 W Main circuit 900 W Main circuit 60 Hz - 2 / rated value 60 Hz - 2 / rated value 60 Hz - 1 / rated value 60 Hz - 1 / rated value 60 Hz - 1 / rated value 60 Hz - 2 / rated value 60 Hz - 2 / rated value 60 Hz - 1 / rated value 60 Hz </td <td>product designation</td> <td>ACB</td>	product designation	ACB
bype of the driving mechanism / motor drive Yes Spe of the driving mechanism / motor drive Yes design of the vorcurrent release ETU45B Ceneral technical data 3 number of poles 3 size of the driving mechanism / motor drive B design of the vorcurrent release 3 utilization category B diccut-breaker / Design 3WU.1 Voltage	design of the product	IEC 60947-2
type of the driving mechanism / motor drive Yes design of the overcurrent release ETU45B ceneral technical data	design of the actuating element	Pushbutton
design of the overcurrent release ETU45B General technical data	type of the driving mechanism	Manual/motorized operating mechanism with mechanical and electrical closing
General technical data number of poles 3 size of the droubbreaker 3 ullization category B circuib-reaker / Design 3WL1 Voltage 1000 V insulation voltage / rated value 1000 V operating voltage / rated value 680 V Protection class 680 V Protection class IP IP20 • protection function of the overcurrent release LSIN Displation 300 W state / protection function of the overcurrent release LSIN Displation 900 W Main circuit 50 Hz operating frequency 50 Hz • 1 / rated value 60 Hz • 2 / rated value 60 Hz • 2 / rated value 50 Hz • 2 / rated value 60 Hz	type of the driving mechanism / motor drive	Yes
number of poles 3 size of the circuit-breaker 3 utilization category 8 circuit-breaker / Design 3WL1 Voltage 1000 V Rated insulation voltage UI 1000 V insulation voltage / rated value 1000 V operating voltage 41 AC / at 50/60 Hz / rated value e at AC / at 50/60 Hz / rated value 690 V Protection class Protection class protection class IP IP20 • protection function of the overcurrent release LSIN Dissipation 900 W with a circuit 900 W operating frequency 50 Hz • 1 / rated value of the current / at AC / in hot operating state / per pole 300 W with a circuit 900 W operating frequency 60 Hz • 1 / rated value 50 Hz • 2 / rated value 60 Hz Auxiliary circuit auxiliary contacts number of NC contacts / for auxiliary contacts 4 suitability of ruse Plant / motor protection Product component Yes • violtage trigger Yes • undervoltage release No • undervoltage release No	design of the overcurrent release	ETU45B
size of the circuit-breaker 3 utilization category B circuit-breaker / Design 3WL1 Voltago 1000 V Rated insulation voltage / I and Voltage / I 1000 V operating voltage 690 V Protection class IP 690 V Protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation 300 W • or rated value of the current / at AC / in hot operating state / per pole 300 W • fur faide value 60 Hz • 2 / rated value 60 Hz • 2 / rated value 60 Hz Auxiliary circuit Inumber of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 4 suitability Suitability suitability Plant / motor protection Product doralis Yes product doralis Yes output dottalis Yes • underovoltage release No <td>General technical data</td> <td></td>	General technical data	
utilization category B circuit-breaker / Design 3WL1 Voltage 3WL1 Rated insulation voltage Ui 1 000 V insulation voltage / rated value 1 000 V operating voltage 600 V Protection class 1P20 protection class IP IP20 • protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation 300 W • or rated value of the current / at AC / in hot operating state / per pole 300 W • or rated value of the current / at AC / in hot operating state / per pole 50 Hz • or rated value of the current / at AC / in hot operating state / per pole 50 Hz • or rated value of the current / at AC / in hot operating state / per pole 50 Hz • or rated value 60 Hz Auxiliary circuit 100 V number of NC contacts / for auxiliary contacts 4 suitability 1000 contacts / for auxiliary contacts 4 Suitability 1000 contacts / for auxiliary contacts 4 product domponent 1000 release 1000 release • indicator Yes Yes • uoldervoltage release No •	number of poles	3
circuit-breaker / Design 3WL1 Voltage Rated insulation voltage Viated Value 1 000 V insulation voltage / rated value 1 000 V operating voltage • at AC / at 50060 Hz / rated value 690 V Protection class IP IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation - power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum 900 W Main circuit 50 Hz operating frequency • 1 / rated value • 2 / rated value 50 Hz • 2 / rated value 60 Hz Auxiliary circuit - number of NC contacts / for auxiliary contacts 4 number of NC contacts / for auxiliary contacts 4 suitability suitability suitability for use Plant / motor protection product domponent Yes • violage trigger Yes • violage trigger Yes • violage trigger No	size of the circuit-breaker	3
Voltage 1 000 V Rated insulation voltage / rated value 1 000 V operating voltage 1 000 V operating voltage 6 00 V Protection class 690 V Protection class IP IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation	utilization category	В
Rated insulation voltage U 1 000 V insulation voltage / rated value 1 000 V operating voltage 900 V Protection class IP IP20 • protection class IP / on the front IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation 300 W • or trated value of the current / at AC / in hot operating state / per pole 300 W • maximum 900 W Main circuit 50 Hz • 2/ rated value 50 Hz • 2/ rated value 60 Hz Auxiliary circuit number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 4 suitability for use Plant / motor protection Product dotalis Yes • voltage trigger Yes	circuit-breaker / Design	3WL1
insulation voltage / rated value 1 000 V operating voltage 690 V • at AC / at 50/60 Hz / rated value 690 V Protection class 1 protection class IP IP20 • protection function of the overcurrent release LSIN Dissipation power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum 900 W Main circuit 000 W operating frequency 50 Hz • 1 / rated value 50 Hz • 2 / rated value 60 Hz Auxiliary circuit mumber of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 suitability suitability for use Plant / motor protection Product details Plant / motor protection Product details product component Yes Yes • voltage trigger Yes Yes • undervoltage release No No design of the auxiliary switch 4 NO + 4 NC	Voltage	
operating voltage 690 V Protection class 1P20 protection class IP IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation 300 W ørder vlave 600 V • maximum 900 W Main circuit 300 W operating frequency 60 Hz • 1 / rated value 50 Hz • 2 / rated value 60 Hz Auxiliary circuit number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 4 Suitability Suitability suitability for use Plant / motor protection Product details Yes ovoltage ridger Yes • voltage ridger Yes • undervoltage release No	Rated insulation voltage Ui	1 000 V
• at AC / at 50/60 Hz / rated value 690 V Protection class Protection class IP • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation	insulation voltage / rated value	1 000 V
Protection class IP20 • protection class IP IP20 • protection function of the overcurrent release LSIN Dissipation	operating voltage	
protection class IP IP20 • protection class IP / on the front IP20 • protection function of the overcurrent release LSIN Dissipation	• at AC / at 50/60 Hz / rated value	690 V
	Protection class	
• protection function of the overcurrent release LSIN Dissipation	protection class IP	IP20
• protection function of the overcurrent release LSIN Dissipation		
Dissipation power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum 900 W Main circuit operating frequency • 1 / rated value 50 Hz • 2 / rated value 60 Hz Auxiliary circuit number of NC contacts / for auxiliary contacts 4 number of NC contacts / for auxiliary contacts 4 Suitability suitability for use product details Plant / motor protection product component Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	 protection class IP / on the front 	IP20
power loss [W]	 protection function of the overcurrent release 	LSIN
• for rated value of the current / at AC / in hot operating state / per pole 300 W • maximum 900 W Main circuit 900 W operating frequency 50 Hz • 1 / rated value 60 Hz Auxiliary circuit 60 Hz number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 suitability 91ant / motor protection product details 92 product component Yes • trip indicator Yes • voltage release No • undervoltage release No • undervoltage release No	Dissipation	
state / per pole • maximum 900 W Main circuit operating frequency • 1 / rated value • 2 / rated value • 00 Hz Auxiliary circuit number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 suitability suitability for use Plant / motor protection Product details product component • trip indicator Yes • voltage trigger • undervoltage release No easign of the auxiliary switch	power loss [W]	
Main circuit operating frequency • 1 / rated value • 2 / rated value 60 Hz Auxiliary circuit number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 suitability suitability product details product component • trip indicator • voltage trigger • undervoltage release No design of the auxiliary switch		300 W
operating frequency 50 Hz • 1 / rated value 50 Hz • 2 / rated value 60 Hz Auxiliary circuit 100 Hz number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 Suitability 4 suitability 9 Plant / motor protection Product details 100 Product component • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	• maximum	900 W
• 1 / rated value50 Hz• 2 / rated value60 HzAuxiliary circuitnumber of NC contacts / for auxiliary contacts4number of NO contacts / for auxiliary contacts4Suitabilitysuitability for usePlant / motor protectionProduct detailsYesor trip indicatorYes• voltage triggerYes• undervoltage releaseNodesign of the auxiliary switch4 NO + 4 NC	Main circuit	
• 2 / rated value 60 Hz Auxiliary circuit number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 suitability 4 suitability Plant / motor protection Product details Plant / motor protection product component Yes • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	operating frequency	
Auxiliary circuit number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 Suitability 4 suitability for use Plant / motor protection Product details Product component • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	• 1 / rated value	50 Hz
number of NC contacts / for auxiliary contacts 4 number of NO contacts / for auxiliary contacts 4 Suitability 4 suitability Plant / motor protection Product details Product component • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	• 2 / rated value	60 Hz
number of NO contacts / for auxiliary contacts 4 Suitability Suitability suitability for use Plant / motor protection Product details Product component • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	Auxiliary circuit	
Suitability suitability for use Plant / motor protection Product details Product component • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	number of NC contacts / for auxiliary contacts	4
suitability for use Plant / motor protection Product details product component • trip indicator • voltage trigger • undervoltage release No design of the auxiliary switch	number of NO contacts / for auxiliary contacts	4
Product details product component • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	Suitability	
product component Yes • trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	suitability for use	Plant / motor protection
• trip indicator Yes • voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	Product details	
• voltage trigger Yes • undervoltage release No design of the auxiliary switch 4 NO + 4 NC	product component	
• undervoltage release No design of the auxiliary switch 4 NO + 4 NC	trip indicator	Yes
• undervoltage release No design of the auxiliary switch 4 NO + 4 NC	voltage trigger	Yes
design of the auxiliary switch 4 NO + 4 NC		No
product extension / optional / motor drive No		4 NO + 4 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 terminal on the rear vertical		
type of electrical connection / for main current circuit	busbar connection		
Mechanical Design			
height	439 mm		
width	704 mm		
depth	419 mm		
fastening method	fixed mounting		
Environmental conditions			
ambient temperature / during operation			
• minimum	-40 °C		
• maximum	70 °C		
ambient temperature / during storage			
• minimum	-40 °C		
• maximum	80 °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=3WL1363-4EB61-5FA4-Z K07+S08+S55			
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3WL1363-4EB61-5FA4-Z K07+S08+S55 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1363-4EB61-5FA4-Z K07+S08+S55			
			CAx-Online-Generator
http://www.siemens.com/cax			
Tender specifications http://www.siemens.com/specifications			
nup.//www.siemens.com/specifications			



L (Long Time Delay / Überlastichitz); S (Short Time Delay / Kazzehlassedutz, kazzehlassedutz, kazzehlassedutz, arvezzigert); I (Instantaneous / Kazzehlassedutz, urvezzigert); N (Neutral Frotection / Neutralleitendutz); S11 (Instanta motor datelovan arvita), if agring is tenaioned / Interes Motorobatiliezahler, wona Feder gespanzh; F1 (Instantaneous / Kazzehlassedutz, B7 (Magitzh for trip uni / Anatikenagost); S1- S3 (Auziliary switch / Hithuchalter); S24 (ist tip signaling switch K07 (Reset Position)); F1 (Geset Position); Y1 (Choning coll / Einschaltmagnet);

last modified:

2/23/2023 🖸