SIEMENS

Data sheet 3LD5410-0TL13



SENTRON, Molded case switch 3LD5 UL, Emergency switching-off, 4-pole, certified according to UL489 UL60947-4-1 and IEC60947-3, UL: 100A, SCCR 65kA at 480VAC, Operating power at 480VAC 3-phase: 60hp, IEC: 100A, Operating power at AC-23A at 400V: 45kW, floor mounting with door coupling rotary operating mechanism, defeatable, emergency switching-off, 4-hole mounting of the handle, without tolerance compensation, incl. terminal covers for the infeed side

product brand name product designation design of the product design of the product design of the product design of the product display version for switch position indicator manual operation type of switch design of the actualing element design of handle rotary operating mechanism, redyellow type of the driving mechanism motor drive No General technical data number of poles a 4 size of switch disconnector 3 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) a 1 AC−23 A at 690 V operating frequency maximum degree of prollution bissipation protection class IP on the front Dissipation Bissipation Bin AC−21 A at 400 V rated value at AC−21 A at 400 V rated value at AC−21 A at 240 V rated value at AC−23 A at 690 V ra	Model			
design of the product EMERGENCY-STOP switch	product brand name	SENTRON		
display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element red design of handle type of the driving mechanism motor drive Roneral technical data number of poles size of switch disconnector airchard alservice life (operating cycles) typical electrical endurance actual end	product designation	Switch disconnector		
type of switch design of the actuating element door-coupling rotary operating mechanism color of the actuating element red design of handle type of the driving mechanism motor drive No General technical data number of poles size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V surge voltage resistance rated value 7	design of the product	EMERGENCY-STOP switch		
design of the actuating element red door-coupling rotary operating mechanism color of the actuating element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Rotary operating mechanism, red/yellow No Rotary Operating design of the driving mechanism motor drive No Rotary Rotar	display version for switch position indicator manual operation	1 ON - 0 OFF		
color of the actuating element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive Roeneral technical data number of poles 4 size of switch disconnector 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 2 electrical endurance (operating cycles) typical 50 10h degree of pollution 50 17h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V surge voltage resistance rated value 6 kV Protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front 1P65 Dissipation power loss [V] for rated value of the current at AC in hot operating state per pole Main circuit operational current	type of switch	Floor mounting with door coupling		
design of handle viving mechanism motor drive No Ceneral technical data number of poles 4 size of switch disconnector 3 mechanical service life (operating cycles) (typical 100 000 electrical endurance (operating cycles) (typical 200 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 680 V surge voltage resistance rated value 6 kV Protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation Dissipation Dissipation Walin circuit Operating state per pole ### at AC-21 A at 400 V rated value 100 A ### at AC-21 A at 440 V rated value 100 A ### at AC-23 A at 440 V rated value 100 A ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 460 V vated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 440 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 460 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW ### at AC-23 A at 690 V rated value 45 kW	design of the actuating element	door-coupling rotary operating mechanism		
type of the driving mechanism motor drive General technical data number of poles size of switch disconnector 3 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 6 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 4690 V rated value 100 A • at AC-21 A at 400 V rated value 100 A • at AC-23 A at 400 V rated value	color of the actuating element	red		
A command technical data number of poles	design of handle	rotary operating mechanism, red/yellow		
Number of poles	type of the driving mechanism motor drive	No		
size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 890 V surge voltage resistance rated value 6 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value	General technical data			
mechanical service life (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 260 V 6000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front 1P65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 240 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value	number of poles	4		
electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 440 V rated value	size of switch disconnector	3		
at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [IV] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value	mechanical service life (operating cycles) typical	100 000		
operating frequency maximum degree of pollution 3 Voltage insulation voltage rated value surge voltage resistance rated value 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [M] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 440 V rated value	electrical endurance (operating cycles)			
degree of pollution Voltage insulation voltage rated value 690 V surge voltage resistance rated value 66 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	• at AC-23 A at 690 V	6 000		
insulation voltage rated value 690 V surge voltage resistance rated value 6 kV Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current at AC-21 at 690 V rated value 100 A at AC-21 A at 440 V rated value 100 A at AC-21 A at 440 V rated value 100 A at AC-23 A at 440 V rated value 100 A operating power at AC-23 A at 440 V rated value 100 A operating power at AC-23 A at 440 V rated value 100 A operating power at AC-23 A at 440 V rated value 100 A operating power at AC-23 A at 440 V rated value 100 A operating power at AC-23 A at 440 V rated value 30 kW at AC-23 A at 440 V rated value 45 kW at AC-23 A at 690 V rated value 37 kW	operating frequency maximum	50 1/h		
insulation voltage rated value 690 V surge voltage resistance rated value 6 kV Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value 100 A • at AC-21 A at 440 V rated value 100 A • at AC-21 A at 440 V rated value 100 A • at AC-23 A at 400 V rated value 100 A operating power • at AC-23 A at 440 V rated value 100 A operating power • at AC-23 A at 440 V rated value 100 A operating power • at AC-23 A at 440 V rated value 30 kW • at AC-23 A at 460 V rated value 37 kW	degree of pollution	3		
surge voltage resistance rated value Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	Voltage			
Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	insulation voltage rated value	690 V		
protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value 100 A • at AC-21 A at 240 V rated value 100 A • at AC-21 A at 400 V rated value 100 A • at AC-21 A at 440 V rated value 100 A • at AC-23 A at 440 V rated value 100 A • at AC-23 A at 440 V rated value 30 kW • at AC-23 A at 440 V rated value 45 kW • at AC-23 A at 440 V rated value 37 kW	surge voltage resistance rated value	6 kV		
degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 460 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	Protection class			
protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	protection class IP	IP65		
Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	degree of protection NEMA rating	1, 3R, 4X, 12		
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value operating power • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value operating power • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value 30 kW • at AC-23 A at 690 V rated value 37 kW	protection class IP on the front	IP65		
operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value operating power • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value	Dissipation			
operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 400 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value • at AC-23 A at 690 V rated value		36 W		
 at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value at AC-23 A at 440 V rated value operating power at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-23 A at 690 V rated value 	Main circuit			
 at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value at AC-23 A at 400 V rated value operating power at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-23 A at 690 V rated value 	operational current			
 at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value at AC-23 A at 400 V rated value operating power at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-23 A at 690 V rated value 	• at AC-21 at 690 V rated value	100 A		
 at AC-21 A at 440 V rated value at AC-23 A at 400 V rated value operating power at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-23 A at 690 V rated value 	• at AC-21 A at 240 V rated value	100 A		
 at AC-23 A at 400 V rated value operating power at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value at AC-23 A at 690 V rated value 	• at AC-21 A at 400 V rated value	100 A		
operating power • at AC-23 A at 240 V rated value • at AC-23 A at 440 V rated value • at AC-23 A at 690 V rated value 30 kW 45 kW 37 kW	• at AC-21 A at 440 V rated value	100 A		
 at AC-23 A at 240 V rated value at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value 30 kW 45 kW 37 kW 	• at AC-23 A at 400 V rated value	100 A		
 at AC-23 A at 440 V rated value at AC-23 A at 690 V rated value 37 kW 	operating power			
• at AC-23 A at 690 V rated value 37 kW	• at AC-23 A at 240 V rated value	30 kW		
	• at AC-23 A at 440 V rated value	45 kW		
at AC-3 at 240 V rated value 30 kW	• at AC-23 A at 690 V rated value	37 kW		
	• at AC-3 at 240 V rated value	30 kW		

• at AC-3 at 400 V rated value	45 kW
at AC-3 at 400 V rated value at AC-3 at 690 V rated value	45 KW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use	
main switch	Yes
switch disconnector SMEROSENOV OFF	Yes
EMERGENCY OFF switch Septence witch	Yes
safety switchmaintenance/repair switch	Yes Yes
Product details	165
special product feature	defeatable door-coupling handle
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	3
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	3
hasp thickness of the bracket locks	5 7.5 mm
Short circuit	5 7.5 mm
Short circuit conditional short-circuit current with line-side fuse protection	
Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value	50 kA
Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value	
Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch	50 kA 50 kA
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum	50 kA 50 kA 16 kA
Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch	50 kA 50 kA
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum	50 kA 50 kA 16 kA
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible	50 kA 50 kA 16 kA
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch	50 kA 50 kA 16 kA 16 kA
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum	50 kA 50 kA 16 kA 16 kA 15 kA
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s
conditional short-circuit current with line-side fuse protection at 440 V by gG fuse rated value at 690 V by gG fuse rated value let-through current with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum design of the fuse link for short-circuit protection of the main circuit required	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum output design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum o at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum o at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 489/UL 60947-4-1	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 489/UL 60947-4-1 rated value operational current at AC according to UL 508/UL 60947-4-1	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 489/UL 60947-4-1 rated value operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 489 rated	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A 125 A
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 489/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 489 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A 125 A
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 489/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 489 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s 100 A 100 A
conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 489/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 489 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A 125 A 100 A 480 V
conditional short-circuit current with line-side fuse protection	50 kA 50 kA 16 kA 16 kA 15 kA 223 kA2.s 223 kA2.s 223 kA2.s Fuse gG: 125 A fuse gL/gG: 10 A 125 A 100 A 480 V 480 V

Connections			
AWG number as coded connectable conductor cross section			
solid			
• minimum	3		
maximum	4/0		
AWG number as coded connectable conductor cross section solid according to UL 489			
• minimum	3		
maximum	4/0		
AWG number as coded connectable conductor cross section solid according to CSA C22.2 No. 5-16			
• minimum	3		
• maximum	2/0		
type of connectable conductor cross-sections for copper conductor			
• solid	1x (16185mm²)		
 finely stranded with core end processing 	1x (16150mm²)		
• stranded	1x (16185mm²)		
type of connectable conductor cross-sections for auxiliary contacts			
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)		
finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²		
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)		
type of electrical connection			
for main current circuit	box terminal		
for auxiliary contacts	connection terminals		
Mechanical Design			
height	178 mm		
width	151 mm		
depth	158 mm	158 mm	
type of device	fixed mounting		
fastening method	Built-in unit fixed-mounted version		
fastening method			
4-hole front mounting	Yes		
front mounting with central attachment	No		
• rail mounting	No		
net weight	2 400 g		
Environmental conditions			
ambient temperature during operation			
minimum	-25 °C		
maximum	55 °C		
ambient temperature during storage			
minimum	-25 °C		
maximum	55 °C		
General Product Approval	00 0	Declaration of Conformity	
General Froduct Approval		Decidration of Comornity	



Confirmation



EHC





other

Confirmation

Miscellaneous

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD5410-0TL13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD5410-0TL13

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

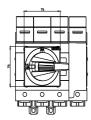
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD5410-0TL13

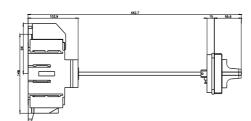
CAx-Online-Generator

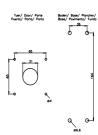
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications









last modified: 6/20/2023 🖸

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