SIEMENS

Data sheet

3LD2084-2GP21



SENTRON switch disconnector 3LD in molded-plastic enclosure , repair and maintenance switch with EMC plate, 3-pole lu: 16A, AC23A 400V at 50/60Hz: 7,5kW, used with frequency converter: AC20 400V at 0-550Hz: 4kW, 1NO + 1NC 20-150ms leading, molded-plastic encapsulation for metric cable gland, knob-operated mechanism, black, lockable in 0- and I-position, incl. cable shield clamps

SENTRON
3LD Switch disconnector
Switch
1 ON - 0 OFF
selector switch
knob-operated mechanism, black
No
3
fixed mounting
Molded-plastic enclosure for metric threaded joint
1
100 000
6 000

• between converter and motor / when used as repair switch / at 802 / / at 050 / Hz // 2 value / with closed switch / at 800 / / fc // 2.5 kA2.s // 2 value / with closed switch / at 800 / / fc // 2.5 kA2.s // 2 value / with closed switch / at 400 / / // 2.5 kA2.s // 4 value / with closed switch / at 400 / / // 2.5 kA2.s // 4 value / with closed switch / at 400 / / // 2.5 kA2.s // 4 value / with closed switch / at 400 / / // 2.5 kA2.s // 4 value / with closed switch / at 400 / / // 2.5 kA2.s // 4 value / with closed switch / at 400 / / // 2.5 kA2.s // 4 value / with closed switch / at 400 / / // 4 value / / 4 value // 4 value /		
combination switch + gG fuse / maximum 2.5 kA2.s for combination switch + gG fuse / maximum 50 1/h voltage 690 V isuge voltage resistance / rated value 690 V operating frequency / maximum 50 1/h voltage / rated value 690 V surge voltage resistance / rated value 680 V operating ournet / at AC / rated value 680 V • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0.550 480 V Protection class IP IP65 protection class IP / on the front IP65 Dissipation 0.5 W operating state / per pole 0.5 W • per conductor / typical 0.5 W Current ear AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A <		100 000
for combination switch + gG fuse / maximum 50 1/h voltage 690 V surge voltage resistance / rated value 690 V operating current / at AC / rated value 16 A operating outget resistance / rated value 690 V • at AC / at 50/60 Hz / rated value 690 V • at AC / at 50/60 Hz / rated value 690 V • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Protection class IP IP65 protection class IP / on the front IP65 protection class IP / on the front IP65 operating state / per pole 0.5 W • per conductor / typical 0.5 W current 0.5 W operating ourrent 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated		2.5 kA2.s
operating frequency / maximum 50 1/h Voltage 690 V surge voltage resistance / rated value 690 V operating current / at AC / rated value 6 KV operating unique 16 A operating voltage 690 V • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Hz / rated value 1P65 Protection class IP IP65 protection class IP / on the front IP65 power loss [W] 0.5 W • for rated value of the current / at AC / in hot operating state / per pole 0.5 W current • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-24 / at 240 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A	let-through I2t value / with closed switch / at 440 V /	2.5 kA2.s
Voltage insulation voltage / rated value 690 V insulation voltage resistance / rated value 6 kV operating current / at AC / rated value 16 A operating voltage 690 V • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Hz / rated value 1965 Protection class IP IP65 protection class IP / on the front IP65 power loss [W] 0.5 W • for rated value of the current / at AC / in hot operating state / per pole 0.5 W • per conductor / typical 0.5 W Current 16 A operating state / per pole 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value	for combination switch + gG fuse / maximum	
insulation voltage / rated value 680 V surge voltage resistance / rated value 6 kV operating current / at AC / rated value 680 V • between converter and motor / at AC / at 0-550 480 V + between converter and motor / at AC / at 0-550 480 V Protection class IP IP65 protection class IP IP65 protection class IP 0 the front IP65 Dissipation power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • per conductor / typical 0.5 W Current operating current • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-21 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at 400 V / for combination switch + gG fuse / 3 kA	operating frequency / maximum	50 1/h
surge voltage resistance / rated value 6 kV operating current / at AC / rated value 16 A operating voltage • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Protection class protection class IP protection class IP / on the front IP65 protection class IP / on the front IP65 Dissipation operating state / per pole 0.5 W • per conductor / typical 0.5 W Current operating current • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-21 A / at 690 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A	Voltage	
operating current / at AC / rated value 16 A operating current / at AC / rated value 690 V • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Protection class IP IP65 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 0.5 W operating current 0.5 W current 0.5 W operating current 0.5 W e at AC-23 A / at 690 V / rated value 9 A • at AC-21 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value <td>insulation voltage / rated value</td> <td>690 V</td>	insulation voltage / rated value	690 V
operating voltage 690 V • at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Protection class P protection class IP IP65 protection class IP / on the front IP65 Dissipation 0.5 W operating state / per pole 0.5 W • per conductor / typical 0.5 W Current eat AC-23 A / at 690 V / rated value • at AC-23 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A	surge voltage resistance / rated value	6 kV
• at AC / at 50/60 Hz / rated value 690 V • between converter and motor / at AC / at 0-550 480 V Protection class Protection class IP protection class IP IP65 protection class IP / on the front IP65 Dissipation 0.5 W operating state / per pole 0.5 W • per conductor / typical 0.5 W Ourrent 0.5 W • at AC-23 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 A / at 400 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-22 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A	operating current / at AC / rated value	16 A
 between converter and motor / at AC / at 0-550 Hz / rated value Protection class protection class IP 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 e per conductor / typical 0.5 W Current operating current at AC-23 A / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value fo A at AC-21 A / at 240 V / rated value fo A at AC-22 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-23 A / at 440 V / rated value fo A at AC-20 A / at 440 V / rated value fo A at AC-20 A / at 440 V / rated value fo A at AC-20 A / at 440 V / rated value fo A at AC-20 A / at 440 V / rated value fo A at AC-20 A / at 440 V / rated value fo A at AC-20 A / at 440 V / rated value fo A at AC-20 A / rated value fo A <li< td=""><td>operating voltage</td><td></td></li<>	operating voltage	
Hz / rated value No Protection class IP65 protection class IP / on the front IP65 Dissipation IP65 power loss [W] 0 for rated value of the current / at AC / in hot operating state / per pole 0.5 W • per conductor / typical 0.5 W Ocurrent 0 for rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-21 A / at 690 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A • at AC-23 A / at 400 V / rated value 16 A •	• at AC / at 50/60 Hz / rated value	690 V
Protection class protection class IP / on the front IP65 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 • per conductor / typical 0.5 W Current operating current • 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-21 / at 690 V / rated value • at AC-21 / at 690 V / rated value • at AC-21 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 A / at 240 V / rated value • at AC-22 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 440 V / for combination switch + gG fuse /	 between converter and motor / at AC / at 0-550 	480 V
protection class IP IP65 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 0.5 W • per conductor / typical 0.5 W Current operating current • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-23 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 240 V / rated value 16 A • at AC-21 / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / r	Hz / rated value	
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 0.5 W • per conductor / typical 0.5 W Current 0.5 W operating current 9 A • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 240 V / rated value 16 A • at AC-22 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-24 / at 240 V / rated value 16 A • at AC-25 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value <td>Protection class</td> <td></td>	Protection class	
Dissipation power loss [W] • for rated value of the current / at AC / in hot operating state / per pole 0.5 W • per conductor / typical 0.5 W Current • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-24 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at 40 V / for combination s		IP65
power loss [W] • for rated value of the current / at AC / in hot operating state / per pole 0.5 W • per conductor / typical 0.5 W Operating current 0.5 W • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-33 A / at 440 V / rated value 16 A • at AC-33 A / at 440 V / rated value 16 A • at 440 V / for combination switch + gG fuse / 3 kA	protection class IP / on the front	IP65
 for rated value of the current / at AC / in hot operating state / per pole per conductor / typical 0.5 W Current operating current at AC-23 A / at 690 V / rated value 9 A at AC-23 A / at 690 V / rated value 16 A at AC-24 / at 690 V / rated value 16 A at AC-21 / at 690 V / rated value 16 A at AC-21 / at 690 V / rated value 16 A at AC-21 / at 240 V / rated value 16 A at AC-21 / at 240 V / rated value 16 A at AC-21 / at 240 V / rated value 16 A at AC-22 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 16 A at AC-23 A / at 440 V / rated value 3 kA 	Dissipation	
operating state / per pole • per conductor / typical 0.5 W Current operating current • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 20 A let-through current / with closed switch • at 440 V / for combination switch + gG fuse / 3 kA	power loss [W]	
• per conductor / typical0.5 WCurrent• at AC-23 A / at 690 V / rated value9 A• at AC-23 A / at 690 V / rated value16 A• at AC-23 A / at 400 V / rated value16 A• at AC-21 / at 690 V / rated value16 A• at AC-21 / at 690 V / rated value16 A• at AC-21 / at 240 V / rated value16 A• at AC-21 A / at 240 V / rated value16 A• at AC-22 A / at 240 V / rated value16 A• at AC-22 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value20 Alet-through current / with closed switch3 kA• at 440 V / for combination switch + gG fuse / maximum3 kA	 for rated value of the current / at AC / in hot 	0.5 W
Current • at AC-23 A / at 690 V / rated value 9 A • at AC-23 A / at 690 V / rated value 16 A • at AC-22 A / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 / at 690 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-21 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-22 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 240 V / rated value 16 A • at AC-23 A / at 440 V / rated value 16 A • at AC-23 A / at 440 V / rated value 20 A let-through current / with closed switch 3 kA • at 440 V / for combination switch + gG fuse / maximum 3 kA	operating state / per pole	
operating current9 A• at AC-23 A / at 690 V / rated value9 A• at AC-23 A / at 400 V / rated value16 A• at AC-22 A / at 690 V / rated value16 A• at AC-21 / at 690 V / rated value16 A• at AC-21 A / at 240 V / rated value16 A• at AC-21 A / at 240 V / rated value16 A• at AC-22 A / at 240 V / rated value16 A• at AC-22 A / at 240 V / rated value16 A• at AC-22 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 240 V / rated value16 A• at AC-23 A / at 440 V / rated value16 A• at AC-23 A / at 440 V / rated value16 A• at AC-24 A / at 440 V / rated value16 A• at AC-25 A / at 440 V / rated value16 A• at AC-26 A / at 440 V / rated value16 A• at 440 V / for combination switch + gG fuse / maximum3 kA• at 690 V / for combination switch + gG fuse / A 3 kA	 per conductor / typical 	0.5 W
 at AC-23 A / at 690 V / rated value at AC-23 A / at 400 V / rated value 16 A at AC-22 A / at 690 V / rated value 16 A at AC-21 / at 690 V / rated value 16 A at AC-21 A / at 240 V / rated value 16 A at AC-21 A / at 240 V / rated value 16 A at AC-21 A / at 240 V / rated value 16 A at AC-22 A / at 240 V / rated value 16 A at AC-22 A / at 240 V / rated value 16 A at AC-22 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 240 V / rated value 16 A at AC-23 A / at 440 V / rated value 20 A let-through current / with closed switch at 440 V / for combination switch + gG fuse / 3 kA maximum at 690 V / for combination switch + gG fuse / 3 kA 	Current	
 at AC 23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-21 / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value A at AC-21 A / at 240 V / rated value A at AC-22 A / at 240 V / rated value A at AC-22 A / at 240 V / rated value A at AC-22 A / at 240 V / rated value A at AC-23 A / at 240 V / rated value A at AC-23 A / at 240 V / rated value A backet AC-23 A / at 240 V / rated value A backet AC-23 A / at 240 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / rated value A backet AC-23 A / at 440 V / for combination switch + gG fuse / 3 kA backet AC-23 A / at 690 V / for combination switch + gG fuse / 3 kA 	operating current	
 at AC-22 A / at 690 V / rated value at AC-21 / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value A at AC-23 A / at 240 V / rated value A at AC-23 A / at 240 V / rated value A at AC-23 A / at 240 V / rated value A at AC-23 A / at 240 V / rated value A bert AC-23 A / at 440 V / rated value A correct / with closed switch at 440 V / for combination switch + gG fuse / at 690 V / for combination switch + gG fuse / 3 kA 	 at AC-23 A / at 690 V / rated value 	9 A
 at AC-21 / at 690 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 240 V / rated value at AC-21 A / at 440 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 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 440 V / rated value at AC-23 A / at 440 V / rated value b at 440 V / for combination switch + gG fuse / at 690 V / for combination switch + gG fuse / 3 kA 	• at AC-23 A / at 400 V / rated value	16 A
 at AC-21 A / at 240 V / rated value at AC-21 A / at 440 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 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 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 bar at 440 V / for combination switch + gG fuse / at 690 V / for combination switch + gG fuse / 3 kA 	• at AC-22 A / at 690 V / rated value	16 A
 at AC-21 A / at 440 V / rated value at AC-22 A / at 240 V / rated value at AC-22 A / at 240 V / rated value at AC-22 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 b A b A c A <lic a<="" li=""> <lic a<="" li=""> <lic a<="" l<="" td=""><td>• at AC-21 / at 690 V / rated value</td><td>16 A</td></lic></lic></lic>	• at AC-21 / at 690 V / rated value	16 A
 at AC-22 A / at 240 V / rated value at AC-22 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 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / 3 kA 	• at AC-21 A / at 240 V / rated value	16 A
 at AC-22 A / at 240 V / rated value at AC-22 A / at 440 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value b at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value b at AC-23 A / at 440 V / rated value c at 440 V / for combination switch + gG fuse / maximum b at 690 V / for combination switch + gG fuse / 3 kA 	• at AC-21 A / at 440 V / rated value	16 A
 at AC-22 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 f A operating current / of upstream fuse / rated value 20 A let-through current / with closed switch at 440 V / for combination switch + gG fuse / at 690 V / for combination switch + gG fuse / 3 kA 		16 A
 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 operating current / of upstream fuse / rated value 20 A let-through current / with closed switch at 440 V / for combination switch + gG fuse / at 690 V / for combination switch + gG fuse / 3 kA 		
 at AC-23 A / at 440 V / rated value operating current / of upstream fuse / rated value 20 A let-through current / with closed switch at 440 V / for combination switch + gG fuse / at 690 V / for combination switch + gG fuse / 3 kA 		
operating current / of upstream fuse / rated value 20 A let-through current / with closed switch 440 V / for combination switch + gG fuse / • at 440 V / for combination switch + gG fuse / 3 kA • at 690 V / for combination switch + gG fuse / 3 kA		
let-through current / with closed switch 3 kA • at 440 V / for combination switch + gG fuse / maximum 3 kA • at 690 V / for combination switch + gG fuse / 3 kA		
 at 440 V / for combination switch + gG fuse / 3 kA maximum at 690 V / for combination switch + gG fuse / 3 kA 		
 at 690 V / for combination switch + gG fuse / 3 kA 		3 44
		3 kA
short-time withstand current (Icw)		

 limited to 1 s / rated value 	340 A
• at 690 V / limited to 1 s / rated value	340 A
Main circuit	
operating frequency	
initial value	50 Hz
• full-scale value	60 Hz
operating frequency / between converter and motor / when used as repair switch	
● initial value	0 Hz
● full-scale value	550 Hz
operating power	
• at AC-23 A / at 240 V / rated value	4 kW
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	7.5 kW
• at AC-23 A / at 440 V / rated value	7.5 kW
• at AC-23 A / at 690 V / rated value	7.5 kW
• at AC-3 / at 240 V / rated value	3 kW
• at AC-3 / at 400 V / rated value	5.5 kW
 at AC-3 / at 690 V / rated value 	5.5 kW
operating active power [W] / between converter and	
motor / when used as repair switch / at AC-20 A	
• at 400 V / at 0-550 Hz / rated value	4 kW
operating current / rated value	16 A
continuous current / between converter and motor /	
when used as repair switch / at AC-20	
• at 230 V / rated value	10.4 A
• at 400 V / rated value	10.2 A
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	1
number of NO contacts / for auxiliary contacts	1
operating voltage / of auxiliary contacts / at AC / maximum	600 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	Yes
• EMERGENCY OFF switch	No
 safety switch 	No

 maintenance/repair switch 	Yes
Appearance	
color / of the actuating element	black
Product details product function / can be locked into OFF	Yes
position	
 product feature / can be locked in ON position 	Yes
number of bracket locks / maximum	3
hasp thickness / of the bracket locks / minimum	4.5 mm
hasp thickness / of the bracket locks / maximum	8.5 mm
special product feature	inclusive EMC shield plate
product extension / optional	
• motor drive	No
 voltage trigger 	No
Short circuit current / with line-side fuse	
protection	
 at 690 V / by gG fuse / rated value 	50 kA
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary	4
contacts / attachable / maximum	-
number of connectable CO contacts / for auxiliary	0
contacts / attachable / maximum	
Connections	
AWG number / as coded connectable conductor	
cross section / solid	
• maximum	10
• minimum	18
type of connectable conductor cross-sections / for	
copper conductor	
• solid	1x (16mm²)
 finely stranded / with core end processing 	1x (14mm²)
• stranded	1x (16mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
● solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 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 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Requirements	
design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 20 A
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
Mechanical Design	
height	164 mm
width	100 mm
depth	117 mm
mounting type	Complete unit in enclosure with EMC shield plate
mounting type	
 front mounting with 4-hole attachment 	No
 front mounting with central attachment 	Yes
• rail mounting	No
net weight	403 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage / minimum	-25 °C
Certificates	
reference code	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	SF
General Product Approv- Declaration of Confe	orm- Test Certificates
al ity	
	Miscellaneous

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=3LD2084-2GP21

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

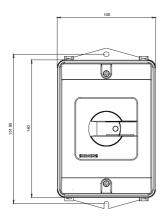
https://support.industry.siemens.com/cs/ww/en/ps/3LD2084-2GP21

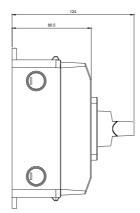
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2084-2GP21

CAx-Online-Generator http://www.siemens.com/cax

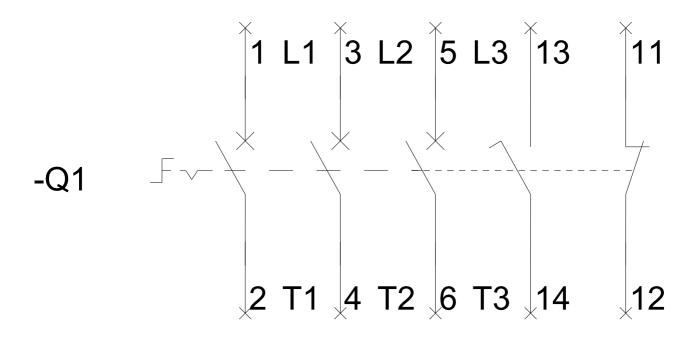
Tender specifications

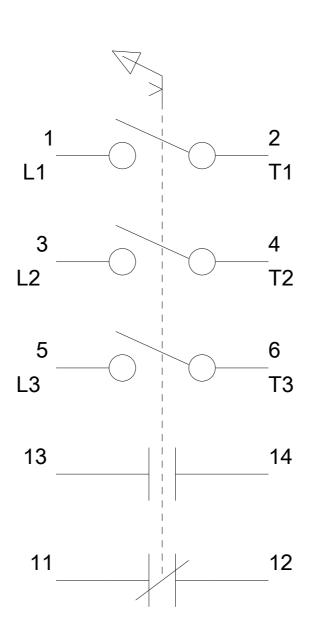
http://www.siemens.com/specifications





3LD2084-2GP21, 3LD2184-2GP 3LD2284-2GP21





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