

3LD2 main control and EMERGENCY-STOP switches in enclosure

End-to-end safety for user and systems

When power failures occur, our 3LD2 switch disconnectors safely disconnect and isolate electrical systems – and that applies to AC motors as well as air-conditioning systems. They're certified as manually operated switch disconnectors in line with requirements specified by IEC 60947-3, DIN VDE 0660 Part 107, and EN 60947-3. According to DIN EN 60204-1, they can also be used as On/Off, EMERGENCY-STOP, and main control switches. To enable universal use throughout the world, the 3LD2 main control and EMERGENCY-STOP switches are UL508 certified.

For surface mounting of individual main control and EMERGENCY-STOP switches, IP65-rated molded-plastic-enclosed switches are used. The molded-plastic enclosures each contain an N and/or a PE terminal.

The 3LD2 maintenance and repair switch with EMC plate is perfectly suitable for use between frequency converter and motor. A long leading NO contact (20 ms up to 150 ms) shuts the frequency converter down before the main contacts of the switch open. This creates an AC-20 status and thus a safely switching at the exit of the frequency converter is possible.



	Rated current I_n	Article number	Additional versions	
3-pole 3LD2 switch-disconnector in molded-plastic enclosure				
	16	3LD2064 - 0TB5 	 ↓ Handle  1 black  3 red/yellow	Note: including N and PE terminal
	25	3LD2164 - 0TB5 		
	32	3LD2264 - 0TB5 		
	63	3LD2565 - 0TB5 		
	100	3LD2766 - 0TB5 		
	125	3LD2866 - 0TB5 		
6-pole 3LD2 switch-disconnector in molded-plastic enclosure				
	25	3LD2165 - 3VB5 	 ↓ Handle  1 black  3 red/yellow	Note: including N and PE terminal
	32	3LD2265 - 3VB5 		
	63	3LD2566 - 3VB5 		
3-pole 3LD2 maintenance and repair switch with EMC plate				
	16	3LD2084 - 2GP21	Note: including leading auxiliary switch (20 ms up to 150 ms), cable shield clamps and PE (isolated from cable shield)	
	25	3LD2184 - 2GP21		
	32	3LD2284 - 2GP21		
	63	3LD2585 - 2GP21		
	100	3LD2786 - 2GP21		
	125	3LD2886 - 2GP21		
6-pole 3LD2 maintenance and repair switch with EMC plate				
	25	3LD2185 - 5VD21	Note: including leading auxiliary switch (20 ms up to 150 ms), cable shield clamps and 2 x PE (isolated from cable shield)	
	32	3LD2285 - 5VD21		
	63	3LD2586 - 5VD21		

Product	Designs	Article number	Additional versions
N or PE terminal (through-type)			
	for 3LD20 (16 A)	3 L D 9 2 0 0 - 2 C	
	for 3LD21 (25 A) and 3LD22 (32 A)	3 L D 9 2 2 0 - 2 C	
	for 3LD25 (63 A)	3 L D 9 2 5 0 - 2 C A	
	for 3LD27 (100 A) and 3LD28 (125 A)	3 L D 9 2 8 0 - 2 C	
4th contact (N conductor)			
	for 3LD21 (25 A) and 3LD22 (32 A)	3 L D 9 2 2 0 - 0 C	
	for 3LD25 (63 A)	3 L D 9 2 5 0 - 0 C A	
	for 3LD27 (100 A) and 3LD28 (125 A)	3 L D 9 2 8 0 - 0 C	
Auxiliary switch			
	1 NO + 1 NC, lagging switch-on, leading switch-off	3 L D 9 2 0 0 - 5 C	
	1 NO + 1 NC, lagging switch-on, leading switch-off, with gold plated contacts, for requesting electronic information	3 L D 9 2 0 0 - 5 C F	
	2 NO, lagging switch-on, leading switch-off	3 L D 9 2 0 0 - 6 C	
Front-mounted auxiliary switch, for long leading times			
	1 NO + 1 NC, lagging switch-on, leading switch-off (20 ms to 150 ms)	3 L D 9 2 8 0 - 5 D	
	1 NO + 1 NC, lagging switch-on, leading switch-off (20 ms to 150 ms), with gold plated contacts, for requesting electronic information	3 L D 9 2 8 0 - 5 D F	
Rotary operating mechanisms			
	for 3LD20 (16 A) up to 3LD22 (32 A)	3 L D 9 2 2 4 - □ G	□ ↓ Handle 1 black 3 red/yellow
	for 3LD25 (63 A) up to 3LD28 (125 A)	3 L D 9 2 8 4 - □ G	
Inscription label			
	for 3LD20 (16 A) up to 3LD28 (125 A)	3 L D 9 2 8 6 - □ A	□ ↓ Labeling 1 MAIN SWITCH/HAUPTSCHALTER 4 without inscription
Cable shield clamp, clamp range 3 mm up to 12 mm			
	for 3LD20 (16 A) up to 3LD28 (125 A)	3 L D 9 2 2 8 - 1 G	
Terminal block			
	for 3LD20 (16 A) up to 3LD28 (125 A)	8 W H 1 0 0 0 - 0 A F 0 0	

All 3LD2 main control and EMERGENCY-STOP switches in enclosure meet the standards of IEC 60947-1, IEC 60947-3 and DIN EN 60204-1.
For prices and a complete quotation, see Catalog LV 10, Chapter 8