

Low-Voltage Fuse Systems

SITOR Semiconductor Fuses

SITOR cylindrical fuse links

Overview

Load capability of SITOR cylindrical fuses without strikers in cylindrical fuse disconnectors

For SITOR fuse links	Rated voltage	Rated current	Required conductor cross-section	Cylindrical fuse bases						Cylindrical fuse switch disconnectors					
				1-pole Type	$I_{\max}$ A	2-pole Type	$I_{\max}$ A	3-pole Type	$I_{\max}$ A	1-pole Type	$I_{\max}$ A	2-pole Type	$I_{\max}$ A	3-pole Type	$I_{\max}$ A
V AC	I_n A	Cu mm ²													
Size 10 x 38															
3NC1 003	600	3	1	3NC1 038-1	3	3NC1 038-2	3	3NC1 038-3	3	3NC1 091	3	3NC1 092	3	3NC1 093	3
3NC1 006		6	1		6	/	6	/	6		6	/	6	/	6
3NC1 008		8	1		8	2 x	8	3 x	8		8	2 x	8	3 x	8
3NC1 010		10	1.5		10	3NC1 038-1	10	3NC1 038-1	10		10	3NC1 091	10	3NC1 091	10
3NC1 012		12	1.5		12		12		12		12		12		12
3NC1 016		16	2.5		16		16		16		16		16		16
3NC1 020		20	2.5		20		20		20		20		20		20
3NC1 025		25	4		25		24		24		25		25		25
3NC1 032		32	6		32		28		28		30		32		29
Size 14 x 51															
3NC1 401	660	1	1	3NC1 451-1	1	--		--		3NC1 491	1	3NC1 492	1	3NC1 493	1
3NC1 402		2	1		2						2	/	2	/	2
3NC1 403		3	1		3						3	2 x	3	3 x	3
3NC1 404		4	1		4						4	3NC1 491	4	3NC1 491	4
3NC1 405	690	5	1		5						5		5		5
3NC1 406		6	1		6						6		6		6
3NC1 410		10	1.5		10						10		10		10
3NC1 415		15	1.5		15						15		15		15
3NC1 420		20	2.5		20						20		20		20
3NC1 425		25	4		25						25		24		23
3NC1 430		30	6		30						28		27		25
3NC1 432		32	6		32						31		30		30
3NC1 440		40	10		40						38		37		36
3NC1 450		50	10		50						48		46		44
Size 22 x 58															
3NC2 220	690	20	2.5	3NC2 258-1	20	--		--		3NC2 291	20	3NC2 292	20	3NC2 293	20
3NC2 225		25	4		25						25	/	25	/	25
3NC2 232		32	6		32						32	2 x	32	3 x	32
3NC2 240		40	10		40						40	3NC2 291	39	3NC2 291	38
3NC2 250		50	10		50						50		48		46
3NC2 263		63	16		63						60		58		56
3NC2 280		80	25		80						74		71		69
3NC2 200	600	100	35		100						95		90		85

Fuse tongs: 3NC1 000

1) These values apply for stand-alone operation with open mounting and natural convection. If several devices are butt-mounted (side-by-side) and/or subject to unfavorable cooling conditions, these values may be reduced still further.

Load capability of SITOR cylindrical fuses with strikers in cylindrical fuse disconnectors

For SITOR fuse links	Rated voltage	Rated current	Required conductor cross-section	Cylindrical fuse disconnectors					
				1-pole Type	$I_{\max}$ A	2-pole Type	$I_{\max}$ A	3-pole Type	$I_{\max}$ A
V AC	I_n A	Cu mm ²							
Size 14 x 51									
3NC1 410-5	690	10	1.5	3NC1 491	10	3NC1 492/	10	3NC1 493/	10
3NC1 415-5		15	1.5		15	2 x 3NC1 491-5	15	3 x 3NC1 491-5	15
3NC1 420-5		20	2.5		20		20		20
3NC1 425-5		25	4		25		25		25
3NC1 430-5		30	6		30		30		30
3NC1 432-5		32	6		32		32		31
3NC1 440-5		40	10		38		35		34
3NC1 450-5		50	10		48		46		44
Size 22 x 58									
3NC2 220-5	690	20	2.5	3NC2 291	20	3NC2 292/	20	3NC2 293/	20
3NC2 225-5		25	4		25	2 x 3NC2 291-5	25	3 x 3NC2 291-5	25
3NC2 232-5		32	6		32		31		30
3NC2 240-5		40	10		40		39		37
3NC2 250-5		50	10		45		43		42
3NC2 263-5		63	16		59		55		52
3NC2 280-5		80	25		71		69		68
3NC2 200-5	600	100	35		94		90		85