LV HRC SITOR fuse links

Technical specifications

Type		3NC2 423 3NC2 423-3	3NC2 425 3NC2 425-3	3NC2 427 3NC2 427-3	3NC2 428 3NC2 428-3	3NC2 431 3NC2 431-3	3NC2 432 3NC2 432-3
Operational class (IEC 60269)		gR					aR
Rated voltage U_n	V AC	500					
Rated current I_n	A	150[1)]	200[1)]	250[1)]	300[1)]	350[1)]	400[1)]
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	7000	13600	21000	28000	53000	83000
Breaking I^2t value I^2t_A at U_n	A^2s	33000	64000	99000	132000	249000	390000
Temperature rise at I_n (body center)	K	26	25	30	40	35	30
Power dissipation at I_n	W	35	40	50	65	60	50
Varying load factor *WL*		0.85					
Weight approx.	kg	0.95					
Accessories							
Fuse base, 1-pole		3NH3 430					
Fuse puller		3NX1 011					
Fuse switch disconnectors		3NP54					
Switch disconnector with fuses		3KL61 30-1.B0					

Type		3NE8 714-1	3NE8 715-1	3NE8 701-1	3NE8 702-1	3NE8 717-1	3NE8 718-1
Operational class (IEC 60269)		gR					aR
Rated voltage U_n	V	690 AC/700 DC					
Rated current I_n	A	20	25	32	40	50	63
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	12	19	40	69	115	215
Breaking I^2t value I^2t_A at U_n	A^2s	83	140	285	490	815	1550
Temperature rise at I_n (body center)	K	40		45	55	60	70
Power dissipation at I_n	W	7	9	10	12	15	16
Varying load factor *WL*		0.9					0.95
Certification		acc. to UL 248-13					
Weight approx.	kg	0.13					

Type		3NE8 720-1	3NE8 721-1	3NE8 722-1	3NE8 724-1	3NE8 725-1	3NE8 727-1	3NE8 731-1
Operational class (IEC 60269)		aR						
Rated voltage U_n	V	690 AC/700 DC						
Rated current I_n	A	80	100	125	160	200	250	315
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	380	695	1250	2350	4200	7750	12000
Breaking I^2t value I^2t_A at U_n	A^2s	2700	4950	9100	17000	30000	55000	85500
Temperature rise at I_n (body center)	K	80	75	80	100	120	125	150
Power dissipation at I_n	W	18	19	23	31	36	42	54
Varying load factor *WL*		0.9	0.95		0.9			0.85
Certification		acc. to UL 248-13						
Weight approx.	kg	0.13						

Type		3NC8 423 3NC8 423-3	3NC8 425 3NC8 425-3	3NC8 427 3NC8 427-3	3NC8 431 3NC8 431-3	3NC8 434 3NC8 434-3	3NC8 444-3
Operational class (IEC 60269)		gR					aR
Rated voltage U_n	V AC	660					600
Rated current I_n	A	150[1)]	200[1)]	250	350[1)]	500[1)]	1000[1)]
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	1100	2400	4400	11000	28000	400000
Breaking I^2t value I^2t_A at U_n	A^2s	17600	38400	70400	176000	448000	2480000
Temperature rise at I_n (body center)	K	33	46	95	65	75	110
Power dissipation at I_n	W	40	55	72	95	130	140
Varying load factor *WL*		0.85					0.9
Weight approx.	kg	0.95					
Accessories							
Fuse base, 1-pole		3NH3 430					--
Fuse puller		3NX1 011					
Fuse switch disconnectors		3NP54					--
Switch disconnector with fuses		3KL61 30-1AB0					--

1) Cooling air speed 1 m/s. In the case of natural air cooling, reduction of 5 %.

Technical specifications

Type		3NE1 813-0	3NE1 814-0	3NE1 815-0	3NE1 803-0	3NE1 802-0	3NE1 817-0	3NE1 818-0	3NE1 820-0
Operational class (IEC 60269)		gR/gS							
Rated voltage U_n	V AC	690							
Rated current I_n	A	16	20	25	35	40	50	63	80
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	18	41	74	166	295	461	903	1843
Breaking I^2t value I^2t_A at U_n	A^2s	200	430	780	1700	3000	4400	9000	18000
Temperature rise at I_n (body center)[1)]	K	25		30	35	30	35	40	
Power dissipation at I_n[1)]	W	3.0	3.5	4.0	5.0		6.0	7.0	8.0
Varying load factor WL		1.0							
Certification		acc. to UL 248-13							
Weight approx.	kg	0.13							
Accessories									
Fuse base, 1-pole 3-pole		3NH3 030 3NH4 030							
Fuse puller		3NX1 011							
Fuse switch disconnectors		3NP40/3NP50							
Switch disconnector with fuses		3KL50 30-1.B00 3KM50 30-1.B00							3KL52 30-1.B00 3KM52 30-1.B00

Type		3NE1 021-0	3NE1 022-0	3NE1 224-0	3NE1 225-0	3NE1 227-0	3NE1 230-0
Operational class (IEC 60269)		gR/gS					
Rated voltage U_n	V AC	690					
Rated current I_n	A	100	125	160	200	250	315
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	3100	6000	7400	14500	29500	46100
Breaking I^2t value I^2t_A at U_n	A^2s	33000	63000	60000	100000	200000	310000
Temperature rise at I_n (body center)[1)]	K	36	40	60	65	75	80
Power dissipation at I_n[1)]	W	10	11	24	27	30	38
Varying load factor WL		1.0					
Certification		acc. to UL 248-13					
Weight approx.	kg	0.20		0.55			
Accessories							
Fuse base, 1-pole		3NH3 030		3NH3 230			3NH3 330
3-pole		3NH4 030		3NH4 230			3NH4 330
Fuse puller		3NX1 011					
Fuse switch disconnectors		3NP40 3NP50		3NP42 3NP52			3NP53
Switch disconnector with fuses		3KL52 30-1.B00 3KM52 30-1.B00		3KL55 30-1.B00 3KM55 30-1.B00			3KL57 30-1.B00 3KM57 30-1.B00

Type		3NE1 331-0	3NE1 332-0	3NE1 333-0	3NE1 334-0	3NE1 435-0	3NE1 436-0	3NE1 437-0	3NE1 438-0
Operational class (IEC 60269)		gR/gS							
Rated voltage U_n	V AC	690							
Rated current I_n	A	350	400	450	500	560	630	710	800
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	58000	84000	104000	149000	215000	293000	437000	723000
Breaking I^2t value I^2t_A at U_n	A^2s	430000	590000	750000	950000	1700000	2350000	3400000	5000000
Temperature rise at I_n (body center)[1)]	K	75	85		90	65	70	68	70
Power dissipation at I_n[1)]	W	42	45	53	56	50	55	60	59
Varying load factor WL		1.0							
Certification		acc. to UL 248-13							
Weight approx.	kg	0.7				0.95			
Accessories									
Fuse base, 1-pole		3NH3 330		3NH3 430					
Fuse puller		3NX1 011							
Fuse switch disconnectors		3NP53		3NP54					
Switch disconnector with fuses		3KL57 30-1.B00 3KM57 30-1.B00		3KL61 30-1AB0					3KL62

1) Temperature rise and power dissipation for operation in LV HRC fuse base.

LV HRC SITOR fuse links

Technical specifications

Type		3NE1 437-1	3NE1 438-1
Operational class (IEC 60269)		gR	
Rated voltage U_n	V AC	600	
Rated current I_n	A	710	800
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	321000	437000
Breaking I^2t value I^2t_A at U_n	A^2s	2460000	3350000
Temperature rise at I_n (body center)[1)]	K	85	95
Power dissipation at I_n[1)]	W	65	72
Varying load factor WL		1.0	
Certification		acc. to UL 248-13	
Weight approx.	kg	0.95	
Accessories			
Fuse base, 1-pole		3NH3 430	
Fuse puller		3NX1 011	
Fuse switch disconnectors		3NP54	
Switch disconnector with fuses		3KL62 30	

Type		3NE1 020-2	3NE1 021-2	3NE1 022-2	3NE1 224-2	3NE1 225-2	3NE1 227-2	3NE1 230-2	3NE1 331-2	3NE1 332-2
Operational class (IEC 60269)		gR								
Rated voltage U_n	V AC	690								
Rated current I_n	A	80	100	125	160	200	250	315	350	400
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	780	1490	3115	2650	5645	11520	22580	29500	37300
Breaking I^2t value I^2t_A at U_n	A^2s	5800	11000	23000	18600	51800	80900	168000	177000	224000
Temperature rise at I_n (body center)[1)]	K	45	49	55	70	62	70	75	82	99
Power dissipation at I_n[1)]	W	10.5	11.5	13.5	30	28	35	42	44	54
Varying load factor WL		1.0								
Certification		acc. to UL 248-13								
Weight approx.	kg	0.2			0.55				0.7	
Accessories										
Fuse base, 1-pole		3NH3 030			3NH3 230					
Fuse puller		3NX1 011								
Fuse switch disconnectors		3NP50			3NP52			3NP53		
Switch disconnector with fuses		3KL52			3KL55			3KL57		

Type		3NE1 333-2	3NE1 334-2	3NE1 435-2	3NE1 436-2	3NE1 447-2	3NE1 437-2	3NE1 438-2	3NE1 448-2
Operational class (IEC 60269)		gR							
Rated voltage U_n	V AC	690							
Rated current I_n	A	450	500	560	630	670	710	800	850
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	46100	66400	130000	203000	240000	265000	361000	520000
Breaking I^2t value I^2t_A at U_n	A^2s	276500	398000	890000	1390000	1640000	1818000	2475000	3640000
Temperature rise at I_n (body center)[1)]	K	100		80	82	90		95	
Power dissipation at I_n[1)]	W	62	65	60	62	65	72	82	76
Varying load factor WL		1.0							
Certification		acc. to UL 248-13							
Weight approx.	kg	0.7		1.0					
Accessories									
Fuse base, 1-pole		3NH3 340							
Fuse puller		3NX1 011							
Fuse switch disconnectors		3NP54				3NP54			
Switch disconnector with fuses		3KL61				3KL62			

1) Temperature rise and power dissipation for operation in LV HRC fuse base.

Technical specifications

Type		3NE8 015-1	3NE8 003-1	3NE8 017-1	3NE8 018-1	3NE8 020-1	3NE8 021-1	3NE8 022-1	3NE8 024-1
Operational class (IEC 60269)		gR				aR			
Rated voltage U_n	V AC	690							
Rated current I_n	A	25	35	50	63	80	100	125	160
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	30	70	120	260	450	850	1400	2800
Breaking I^2t value I^2t_A at U_n	A^2s	180	400	700	1400	2400	4200	6500	1300
Temperature rise at I_n (body center)	K	35	45	65	70	80	90	110	130
Power dissipation at I_n	W	7	9	14	16	19	22	28	38
Varying load factor *WL*		0.95							
Certification		acc. to UL 248-13							
Weight approx.	kg	0.20							
Accessories									
Fuse base, 1-pole 3-pole		3NH3 030 3NH4 030							
Fuse puller		3NX1 011							
Fuse switch disconnectors		3NP40 3NP50							
Switch disconnector with fuses		3KL50 30-1.B00 3KM50 30-1.B00				3KL52 30-1.B00 3KM52 30-1.B00			

Type		3NE4 327-0B	3NE4 330-0B	3NE4 333-0B	3NE4 334-0B	3NE4 337
Operational class (IEC 60269)		aR				
Rated voltage U_n	V AC	800				
Rated current I_n	A	250	315	450	500	710
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	3600	7400	29400	42500	142000
Breaking I^2t value I^2t_A at U_n	A^2s	29700	60700	191000	276000	923000
Temperature rise at I_n (body center)	K	175	170	190	195	170
Power dissipation at I_n	W	105	120	140	155	
Varying load factor *WL*		0.85				0.95
Weight approx.	kg	0.7				
Accessories						
Fuse base, 1-pole		3NH3 330		3NH3 430		
Fuse puller		3NX1 011				
Fuse switch disconnectors		3NP53		3NP54		
Switch disconnector with fuses		3KL57 30-1.B00 3KM57 30-1.B00		3KL61		3KL62

Type		3NE4 101	3NE4 102	3NE4 117	3NE4 118	3NE4 120	3NE4 121	3NE4 122	3NE4 124
Operational class (IEC 60269)		gR			aR				
Rated voltage U_n	V AC	1000							
Rated current I_n	A	32	40	50	63	80	100	125	160
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	40	75	120	230	450	900	1800	3600
Breaking I^2t value I^2t_A at U_n	A^2s	280	500	800	1500	3000	6000	14000	29000
Temperature rise at I_n (body center)	K	45	50	65	78	82	85	100	120
Power dissipation at I_n	W	12	13	16	20	22	24	30	35
Varying load factor *WL*		0.9							
Certification		acc. to UL 248-13							
Weight approx.	kg	0.27							
Accessories									
Fuse base, 1-pole 3-pole		3NH3 120 3NH4 230							
Fuse puller		3NX1 011							
Fuse switch disconnectors		3NP42, 3NP52							
Switch disconnector with fuses		3KL55 30-1.B00 3KM55 30-1.B00							

LV HRC SITOR fuse links

Technical specifications

Type		3NE3 221	3NE3 222	3NE3 224	3NE3 225	3NE3 227
Operational class (IEC 60269)		aR				
Rated voltage U_n	V AC	1000				
Rated current I_n	A	100	125	160	200	250
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	665	1040	1850	4150	6650
Breaking I^2t value I^2t_A at U_n	A^2s	4800	7200	13000	30000	48000
Temperature rise at I_n (body center)	K	65	70	90	80	90
Power dissipation at I_n	W	28	36	42		50
Varying load factor *WL*		0.95		1.0		
Certification		acc. to UL 248-13				
Weight approx.	kg	0.55				
Accessories						
Fuse base, 1-pole 3-pole		3NH3 230 3NH4 230				
Fuse puller		3NX1 011				
Fuse switch disconnectors		3NP42, 3NP52				
Switch disconnector with fuses		3KL55 30-1.B00 3KM55 30-1.B00				

Type		3NE3 230-0B	3NE3 231	3NE3 232-0B	3NE3 233
Operational class (IEC 60269)		aR			
Rated voltage U_n	V AC	1000			
Rated current I_n	A	315	350	400	450
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	13400	16600	22600	29500
Breaking I^2t value I^2t_A at U_n	A^2s	80000	100000	135000	175000
Temperature rise at I_n (body center)	K	100	120	140	130
Power dissipation at I_n	W	65	75	85	95
Varying load factor *WL*		0.95	0.9		
Certification		acc. to UL 248-13			
Weight approx.	kg	0.55			
Accessories					
Fuse base, 1-pole		3NH3 330			
Fuse puller		3NX1 011			
Fuse switch disconnectors		3NP53			
Switch disconnector with fuses		3KL57 30-1.B00 3KM57 30-1.B00			

Type		3NE3 332-0B	3NE3 333	3NE3 334-0B	3NE3 335	3NE3 336	3NE3 337-8	3NE3 338-8	3NE3 340-8
Operational class (IEC 60269)		aR							
Rated voltage U_n	V AC	1000					900	800	690
Rated current I_n	A	400	450	500	560	630	710	800	900
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	22600	29500	46100	66400	104000	149000	184000	223000
Breaking I^2t value I^2t_A at U_n	A^2s	135000	175000	260000	360000	600000	800000	850000	1300000
Temperature rise at I_n (body center)	K	120	125	115	120	110	125	140	160
Power dissipation at I_n	W	85	90		95	100	105	130	165
Varying load factor *WL*		1.0						0.95	
Certification		acc. to UL 248-13							
Weight approx.	kg	0.7							
Accessories									
Fuse base, 1-pole		3NH3 430							
Fuse puller		3NX1 011							
Fuse switch disconnectors		3NP54							
Switch disconnector with fuses		3KL61 30-1AB0				3KL62			

Technical specifications

Type		3NE3 421	3NE3 626	3NE3 430	3NE3 432	3NE3 635 3NE3 635-6	3NE3 434	3NE3 636	3NE3 637 3NE3 637-1[1]
Operational class (IEC 60269)		aR							
Rated voltage U_n	V AC	1000							
Rated current I_n	A	100	224	315	400	450	500	630	710
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	1800	7200	29000	48500	65000	116000	170000	260000
Breaking I^2t value I^2t_A at U_n	A^2s	13500	54000	218000	364000	488000	870000	1280000	1950000
Temperature rise at I_n (body center)	K	45	140	120	130	150	120	136	170
Power dissipation at I_n	W	25	85	80	110		95	132	145
Varying load factor *WL*		1.0							
Weight approx.	kg	1.15							

Type		3NE5 424	3NE5 426	3NE5 430	3NE5 431	3NE5 433 3NE5 433-1
Operational class (IEC 60269)		aR				
Rated voltage U_n	V AC	1500				
Rated current I_n	A	160	224	315	350	450
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	7200	18400	41500	57000	116000
Breaking I^2t value I^2t_A at U_n	A^2s	54000	138000	311000	428000	870000
Temperature rise at I_n (body center)	K	75	100	125	150	150
Power dissipation at I_n	W	56	80	115	135	145
Varying load factor *WL*		1.0				0.95
Weight approx.	kg	1.95				

Type		3NE5 627	3NE5 633	3NE5 643
Operational class (IEC 60269)		aR		
Rated voltage U_n	V AC	1500		
Rated current I_n	A	250	450	600
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	11200	78500	260000
Breaking I^2t value I^2t_A at U_n	A^2s	84000	590000	1950000
Temperature rise at I_n (body center)	K	170		160
Power dissipation at I_n	W	130	160	145
Varying load factor *WL*		1.0		
Weight approx.	kg	1.6		

Type		3NE7 425	3NE7 427	3NE7 431	3NE7 432	3NE7 633 3NE7 633-1[2]	3NE7 648-1[2]	3NE7 636 3NE7 636-1[2]	3NE7 637-1[2]
Operational class (IEC 60269)		aR							
Rated voltage U_n	V AC	2000							
Rated current I_n	A	200	250	350	400	450	525	630	710
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	18400	29000	74000	116000	128000	149000	260000	415000
Breaking I^2t value I^2t_A at U_n	A^2s	138000	218000	555000	870000	960000	1120000	1950000	3110000
Temperature rise at I_n (body center)	K	85	110	105	130	165	210	200	230
Power dissipation at I_n	W	75	110	120	150	160	210	220	275
Varying load factor *WL*		1.0							
Weight approx.	kg	1.95							

Type		3NE9 632-1	3NE9 634-1	3NE9 636-1A
Operational class (IEC 60269)		aR		
Rated voltage U_n	V AC	2500		
Rated current I_n	A	400	500	630
Melting I^2t value I^2t_s (t_{vs} = 1 ms)	A^2s	81000	170000	385000
Breaking I^2t value I^2t_A at U_n	A^2s	620000	1270000	2800000
Temperature rise at I_n (body center)	K	160	180	198
Power dissipation at I_n	W	205	235	275
Varying load factor *WL*		1.0		
Weight approx.	kg	2.5		

1) Gauge 140 mm, M12 screw connection.
2) M12 screw connection.