

URS

E180276

Rated Voltage
 $690V_{AC}/600V_{AC}$
 $700V_{AC}$

Rated Breaking Test
 Capacity

200kA

Voltage
 IEC - 1.1Un
 UL - 1.0Un

Class
 aR

Standard(s)

UL 248-13

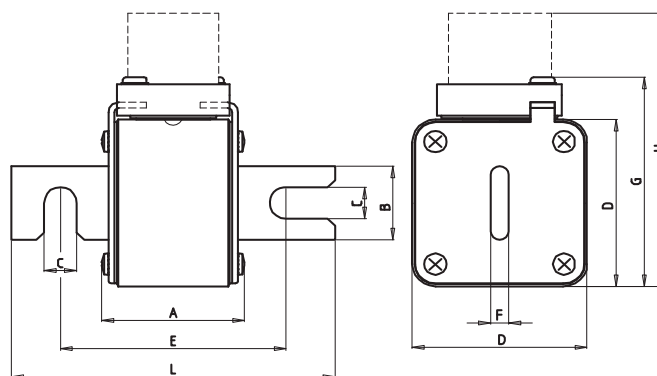
IEC 60269-4

VDE 0636- Part 40

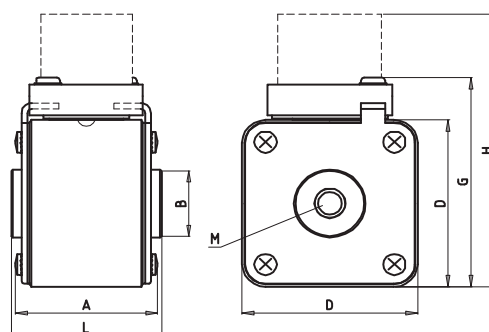


Size SQB3 - DIN 43653

	80mm With fitting for microswitch	110mm With fitting for microswitch	M12 With fitting for microswitch
	2063232	2063532	2068132
	Dimensions [in / mm]		
A	1.93 / 49	1.93 / 49	1.93 / 49
B	1.38 / 35	1.38 / 35	1.10 / 28
C	0.43 / 11	0.43 / 11	
D	2.87 / 73	2.87 / 73	2.87 / 73
E	3.00 / 76	4.17 / 106	
F	0.24 / 6	0.24 / 6	
G	3.46 / 88	3.46 / 88	3.46 / 88
H	4.37 / 111	4.37 / 111	4.37 / 111
L	4.30 / 109	5.28 / 134	2.00 / 51
M			M12 - Thread Depth 0.47 / 12
Torque Max			52N•m / 38.3lb•ft



2063232 / 2063532



2068132

SIBA LLC

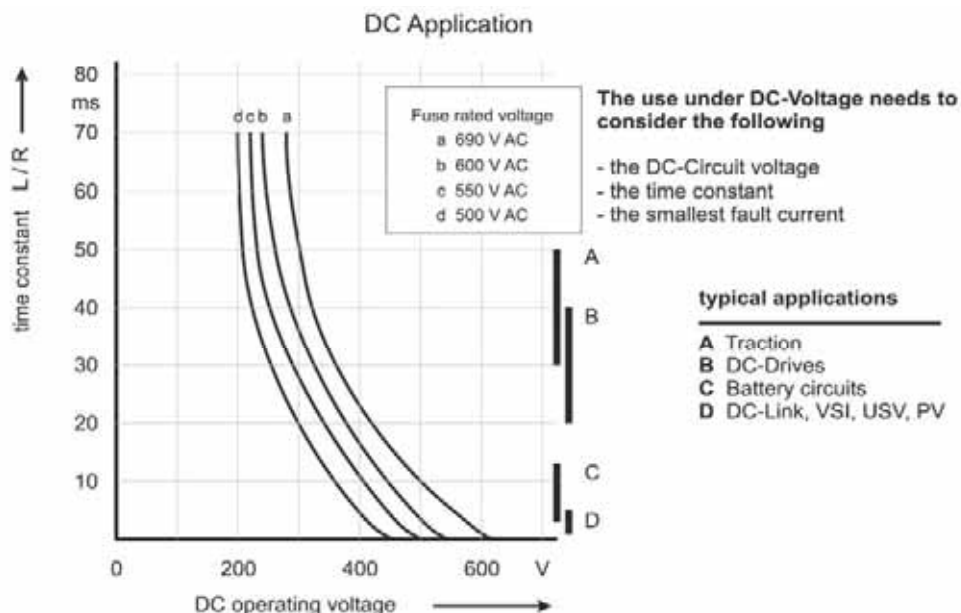
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 West Caldwell, New Jersey 07006

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URS	E180276	Rated Voltage 690V _{AC} /600V _{AC} 700V _{AC}	Rated Breaking Test Capacity 200kA	Voltage IEC - 1.1U _n UL - 1.0U _n	Class aR	Standard(s) UL 248-13 IEC 60269-4 VDE 0636- Part 40
Size SQB3 - North American/DIN						

Rated Current I_n [A]	Rated Voltage[U _n] IEC 60269-4 [V]	Rated Voltage[U _n] UL 248-13 [V]	Power Loss [W]	Pre-arcing I^2t [A ² s]	Total I^2t @ 660V _{AC} [A ² s]	
500	690	700	90	18 000	100 000	
550	690	700	100	22 000	130 000	
630	690	700	108	32 000	190 000	
700	690	700	113	50 000	300 000	
800	690	700	118	85 000	480 000	
900	690	700	120	115 000	660 000	
1000	690	700	131	140 000	860 000	
1100	690	700	136	210 000	1 200 000	
1250	690*	700	147	290 000	1 750 000	
1400	690*	700	161	380 000	2 200 000	
1500	600*	—	171	490 000	3 000 000	
1600	600*	—	190	590 000	3 700 000	

* Tested @ 1.05xU_n

As a first assumption the minimum fault current should be 10 times the planned fuse rating. If smaller fault currents are expected our application engineers should be consulted.

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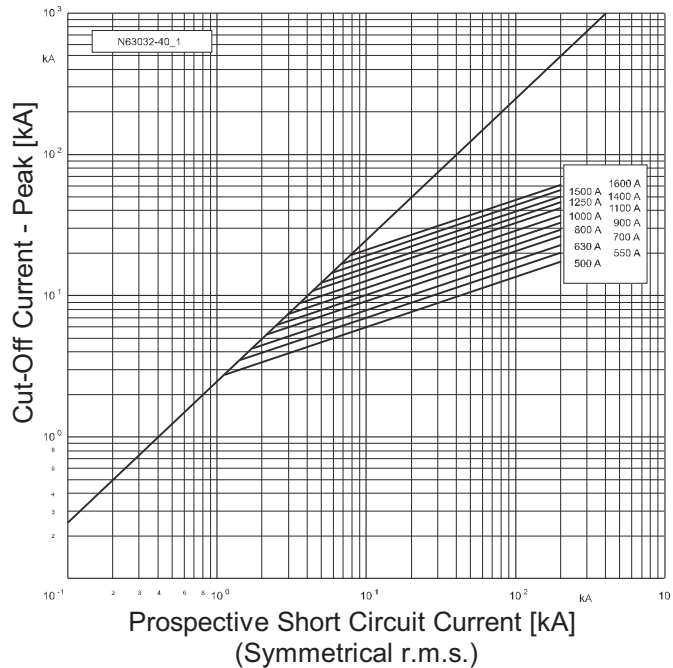


Size SQB3 - North American/DIN

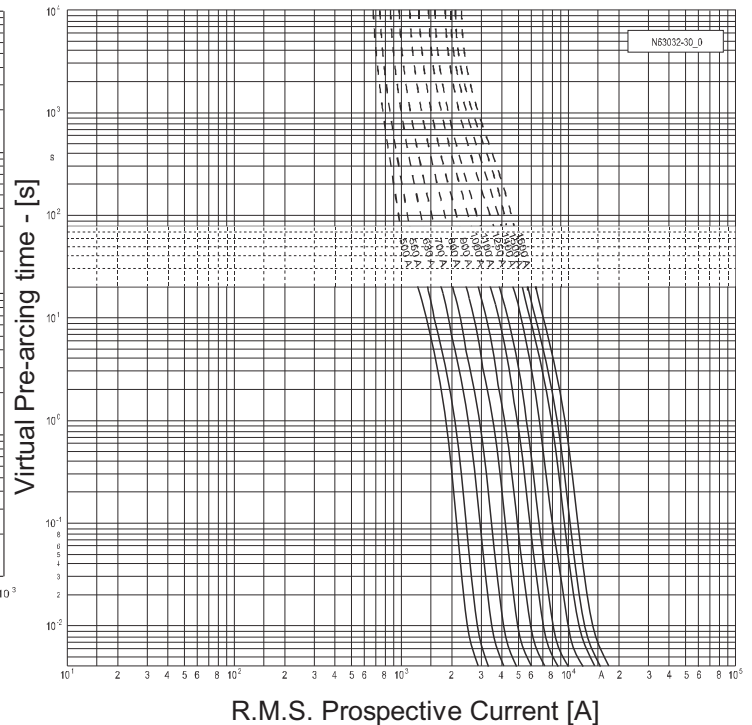
Coefficients for Heavy Duty Applications

a	A2	B1	B2	Cf3	N
130	0.6	1.25	0.6	0.8	1.5

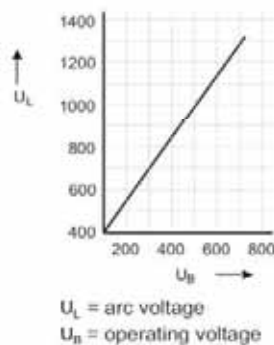
Cut-Off current Characteristics



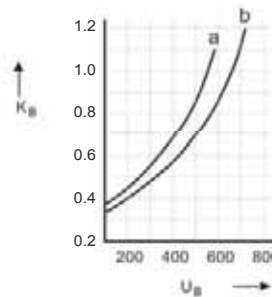
Time-Current Characteristics



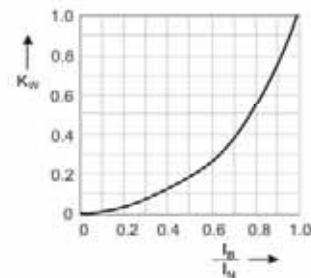
Arc voltage diagram

Reduction factor total I²t-value

- a) U_n 600 + 690 V
 b) U_n 500 + 550 V



Reduction factor for power loss



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