

Switchfuse Characteristics

PRODUCT CODE	425020	425032	425063	425100	425160	425200	425250	425400	425630
Thermal current I_{th} (40 °C)	20A	32A	63A	100A	160A	200A	250A	400A	630A
BS88/DIN fuse size	A1/-	A1/14x51	A2-A3/00C	A4/22x58	A3-A4/-	A3-A4/-	B1-B2-B3/1	B1-B2-B3-B4/2	C1-C2/3
Fuse Type (Bussman)	NITD	NITD	BAO	CEO	DEO	DEO	ED	ED	FF
Rated insulation voltage U_i (V)	800	800	750	750	750	800	750	800	1000
Rated impulse withstand U_{imp} (kV)	8	8	8	8	8	8	8	8	12

Rated operation currents I_e(A)										
Rated voltage	Load duty cat.	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B	A/B*
400 VAC	AC-22	20/20	32/32	63/63	100/100	160/160	200/200	250/250	400/400	630/630
400 VAC	AC-23	20/20	32/32	63/63	100/100	160/160	200/200	250/250	400/400	630/630
690 VAC	AC-22	20/20	32/32	63/63	#100/100	#160/160	#160/160	#250/250	315/400	500/630
690 VAC	AC-23	20/20	32/32	63/63	#100/100	#125/125	#125/125	#250/250	250/315	315/400
220 VDC	DC-22			63/63	100/100	160/160	160/160	250/250	315/315	315/630
220 VDC	DC-23			40/40	100/100	125/125	125/125	200/200	200/315	400/630
400 VDC	DC-22			*63/63	*100/100	*160/160	*160/160	*250/250	+315/315	+315/630
400 VDC	DC-23			*40/40	*100/100	*160/160	*125/125	*200/200	+250/315	+400/630

2 poles in series by polarity *Shrouded +Poles cannot be juxtaposed

Operational power without pre-break										
at 400 VAC - AC in AC-3 (kW)	9/9	15/15	30/30	51/51	80/80	80/80	132/132	220/220	355/355	
at 690 VAC - AC in AC-3 (kW)	15/15	25/25	55/55	90/90	110/110	110/110	220/220	220/295	295/400	

Fuse protected short-circuit withstand (kA rms prospective)										
Short circuit current (kA rms)	80/-	80/100	80/100	80/100	50/-	50/-	80/100	80/50	80/100	
Associated fuse rating (A)	20/-	32/32	63/63	100/100	160/-	200/-	250/250	400/400	630/630	

Overload capacity										
Short-circuit making capacity (kA peak)	5.5	5.5	10.6	20	20	20	32.5	40	70	

Connection & Mechanical Characteristics										
Minimum Cu cable section (mm ²)	2.5	2.5	10	25	35	50	95	185	2 x 150	
Maximum Cu cable section (mm ²)	16	16	25	95	95	95	240	240	2 x 300	
Minimum tightening torque (Nm)	2	2	6	9	9	9	20	20	4	
Stud Size	-	-	-	M8	M8	M8	M10	M10	M12	
Extension Box	-	-	-	EX03	EX03	EX03	EX04	EX04	EX05	

* A = FREQUENT OPERATION B = INFREQUENT OPERATION