Power distribution

RiLine fuse elements

NH slimline fuse-switch disconnectors, size 00 – 3

 3-pole, cable outlet at the Note: For the use of fuse ins EN 60 269-2 Technical specification IEC/EN 60 947-3, see chapter 2-116, pa Load factor, see chapter 2-101, pa Current carrying capac connection cables, see chapter 2-101, pa Use of semi-conducto see chapter 2-101, pa 	erts to is to ge 3 ge 4 city of ge 5 r fuses,		400 A00				745 556		671 185 185 100 100 100 100 100 100 100 10		
Size	Size 00				Size 00		Size 1	Size 2	Size 3		
Rated operating current max.		160 A				160 A		250 A	400 A	630 A	
Rated operating voltage		690 V AC				690 V AC		690 V AC	690 V AC	690 V AC	
O su su su su si ti su s	Closed	123				180		190	190	190	
(A) mm Off-load position		183				239		260	260	260	
Support point (L1) W mm	ו	84	30	84	30	30	-	-	-	-	-
For converter installation		-	-	-	-		-	-	-		-
For bar centre distance n	nm	60	100	60	100	100	185	185	185	185	185
Model No. SV		9346.000	9346.020	9346.010	9346.030	9346.060	9346.040	9346.050	9346.110	9346.210	9346.310
Assembly data for app	lications to IE	C (EN)									
Tightening torque Nm – Bar attachment – Terminal screw		6 4.5		6 14		12 14	12 14	40 32	40 32	40 32	
Type of connection		Box terminal		Screw M8		Screw M8	Screw M8	Bolt M12	Bolt M12	Bolt M12	
Conductor connection re Cu mm ²	/rm	2.5 – 95		-		-	-	-	-	-	
Conductor connection w ring terminal mm ²	ith	-		2.5 – 95		2.5 – 95	2.5 – 95	6 – 240	6 – 240	6 - 240	
Minimum distance to conductive	Side	50		50		50	50	10	10	10	
	Тор	100		100		100	100	50	50	50	
earthed parts mm	Rear	0		0		0	0	0	0	0	
Material specifications	6										
Contact track: E-Cu, silver-plated											
Terminal: Sheet steel, zinc-plated		■ -			-	-	-	-	-		

RiLine fuse elements

NH slimline fuse-switch disconnectors, size 00 – 3



RiLine fuse elements

NH slimline fuse-switch disconnectors, size 00 - 3

Technical specifications to IEC/EN 60 947-3					
Size (NH fuse inserts to IEC/EN 60 269-2)	00	1	2	3	
Rated operating current Ie	160 A	250 A	400 A	630 A	
Rated operating voltage Ue	690 V AC	690 V AC	690 V AC	690 V AC	
Rated insulation voltage U _i	1000 V	1000 V	1000 V	1000 V	
Rated impulse withstand voltage Uimp	8 kV	8 kV	8 kV	8 kV	
Pollution degree	3	3	3	3	
Overvoltage category	III	Ш	III	III	
Rated frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	
Conditional rated short-circuit current	at 500 V AC	100 kA	120 kA	120 kA	120 kA
(when protected with fuse inserts)	at 690 V AC	100 kA	100 kA (with 200 A)	100 kA (with 315 A)	100 kA (with 500 A)
	400 V AC	AC-23B with 160 A	AC-23B with 250 A	AC-23B with 400 A	AC-23B with 630 A
Utilisation category	500 V AC	AC-22B with 160 A	AC-22B with 250 A	AC-22B with 400 A	AC-22B with 630 A
Otilisation category	690 V AC	AC-22B with 160 A	AC-21B with 250 A	AC-21B with 400 A	AC-21B with 630 A
	1000 V DC ¹⁾²⁾	DC-20B	DC-20B	DC-20B	DC-20B
Rated short-time withstand current Icw		5 kA	10 kA	15 kA	20 kA
Mechanical life (switching cycles)	1400	1400	800	800	
Contact hazard protection - operating area	IP 3X	IP 2X	IP 2X	IP 2X	
Siting conditions	Interior siting: Rel. humidity 50% at 40°C or 90% at 20°C (without condensation due to temperature fluctuations)				
Permissible ambient temperature	-20°C to +60°C				
P _{v max} /fuse insert	12 W	23 W	34 W	48 W	

¹⁾ DC applications with configuration of phase L1 and L3 in series ²⁾ For use as disconnector or fuse-switch disconnector. The required creepage distances and clearances must be observed in the cable connection area

Notes: - Vertical installation is the typical position of use - When using semi-conductor fuses, reduction factors should be taken into account

NH slimline fuse-switch disconnectors, size 00 - 3

Conductor connection of several ring terminals

Size	Size 00	Size 1	Size 2	Size 3			
Conductor cross-section (mm ²)	Number of ring terminals to DIN 46 235						
16	2	-	-	-			
25	2	-	-	-			
35	2	-	-	-			
50	-	-	-	-			
70	-	-	-	-			
95	-	-	-	-			
120	-	2	2	2			
150	-	2	2	2			
185	-	2	2	2			
240	-	2	2	2			
300	-	-	-	-			

Note: - The creepage distances and clearances to EN 60 664-1 should be checked and, where necessary, insulating plates installed

- Fine-wire only with wire end ferrule

RiLine fuse elements

NH slimline fuse-switch disconnectors, size 00 – 3

Electronic fuse monitoring

Technical specifications	Electronic fuse monitoring
Rated operating voltage Ue	400 V AC to 690 V AC
Tolerance	±10% (400/500 V AC) +5%/-10% (690 V AC)
Rated insulation voltage Ui	1000 V AC
Rated impulse withstand voltage Uimp	8 KV
Rated frequency	50 – 60 Hz
Response time	Max. 1.5 s
Auxiliary contacts	1 NO, 1 NC 250 V AC, 30 V DC, 5 A
Load capacity of auxiliary contacts	5 A
Permissible ambient temperature	-20°C to +55°C (400/500 V AC), -20°C to +45°C (690 V AC)
Diselar	LED flashing green (operational) 13/14: open 21/22: closed
Display	LED flashing red (error message) 13/14: closed 21/22: open
Connection of auxiliary contacts	Terminal up to 1.5 mm ²
NH fuse inserts to IEC/EN 60 269-3	With contacted, live puller lugs
Material	Contact blades: E-Cu, tin-plated
Function	Differential voltage

Wiring diagram



Electronic fuse monitoring