

Technical data

NV fuse-rail sizes 00, 1, 2, 3

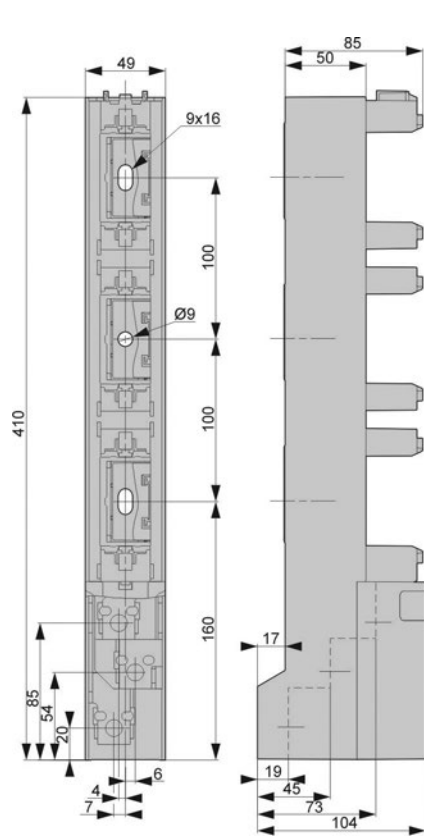
Technical data of insulated fuse-rails (in accordance with VDE 0636, part 201, IEC 60269-2-1)

Technical Specifications			VL00/100	VL00/185	VL1	VL1H
Electrical Characteristics						
Rated operational voltage	U_e	V	690 AC	690 AC	690 AC	690 AC
Rated operational current	I_e	A	160	160	250	250
Rated frequency	-	Hz	40-60	40-60	40-60	40-60
Rated insulation voltage	U_i	V	800 AC		1000 AC	
Total power loss at I_n (without fuse)	P_v	W	18	23	23	29
Fuse links						
Size - DIN 43 620, IEC 60269-2	-	-	000/00		1	
Max. rated current (gG)	I_n	A	160	160	250	250
Max. permissible power loss per fuse link	P_v	W	12		32	23
Dimensions						
Mass	-	kg	100 mm = 0,8	185mm=1,5	3,5	
Busbars (distance)	-	mm	100	185	185	
Cable connection						
Screw	-	-	M8		M10	
Torque	M_a	Nm	12-15		30-35	
V-clip	-	mm ²	10-95		25-300	25-240 / 25-300
Torque	M_a	Nm	10		32	
Protection						
Operational state	-	-	IP10			
Operating conditions						
Ambient temperature	T_u	°C	-25 ... +55			
Operating condition	-	-	Continuous operation			
Mounting	-	-	vertical, horizontal			
Altitude	-	m	≤ 2000			
Pollution degree	-	-	3			
Overvoltage category	-	-	III	IV		

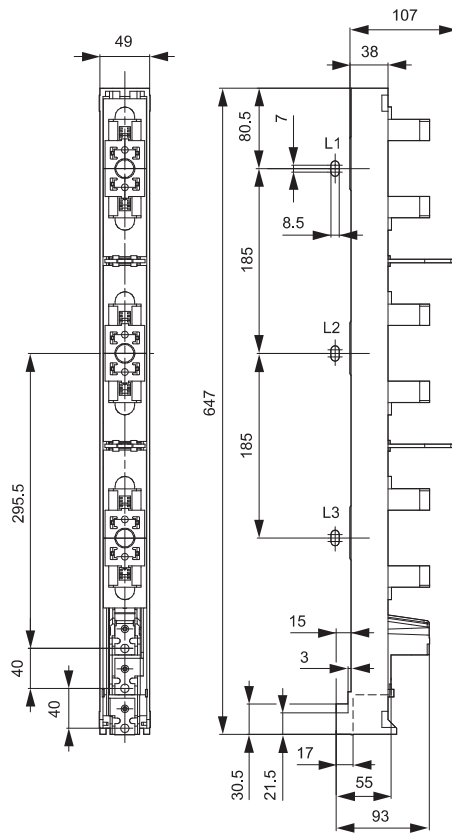
Technical data of insulated fuse-rails (in accordance with VDE 0636, part 201, IEC 60269-2-1)

Technical Specifications			VL2	VL2H	VL3
Electrical Characteristics					
Rated operational voltage	U_e	V	690 AC	690 AC	690 AC
Rated operational current	I_e	A	400	400	630
Rated frequency	-	Hz	40-60	40-60	40-60
Rated insulation voltage	U_i	V		1000 AC	
Total power loss at I_n (without fuse)	P_v	W	54	73	115
Fuse links					
Size - DIN 43 620, IEC 60269-2	-	-	2		3
Max. rated current (gG)	I_n	A	400	400	630
Max. permissible power loss per fuse link	P_v	W	45	34	48
Dimensions					
Mass	-	kg	3,8		4,3
Busbars (distance)	-	mm	185		
Cable connection					
Screw	-	-	M12	M12	M12
Torque	M_a	Nm	35-40	35-40	35-40
V-clip	-	mm ²	25-300	25-240 / 25-300	25-300
Torque	M_a	Nm	32	32	32
Protection					
Operational state	-	-	IP10		
Operating conditions					
Ambient temperature	T_u	°C	-25 ... +55		
Operating condition	-	-	Continuous operation		
Mounting	-	-	vertical, horizontal		
Altitude	-	m	≤ 2000		
Pollution degree	-	-	3		
Overvoltage category	-	-	IV		

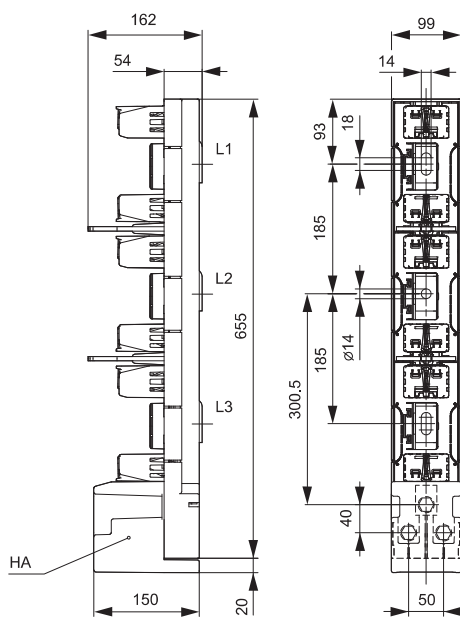
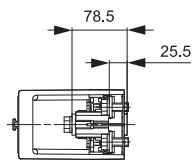
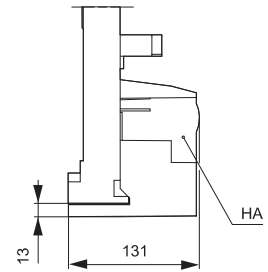
Dimensional overview of LV NV fuse-rails



size 00/100

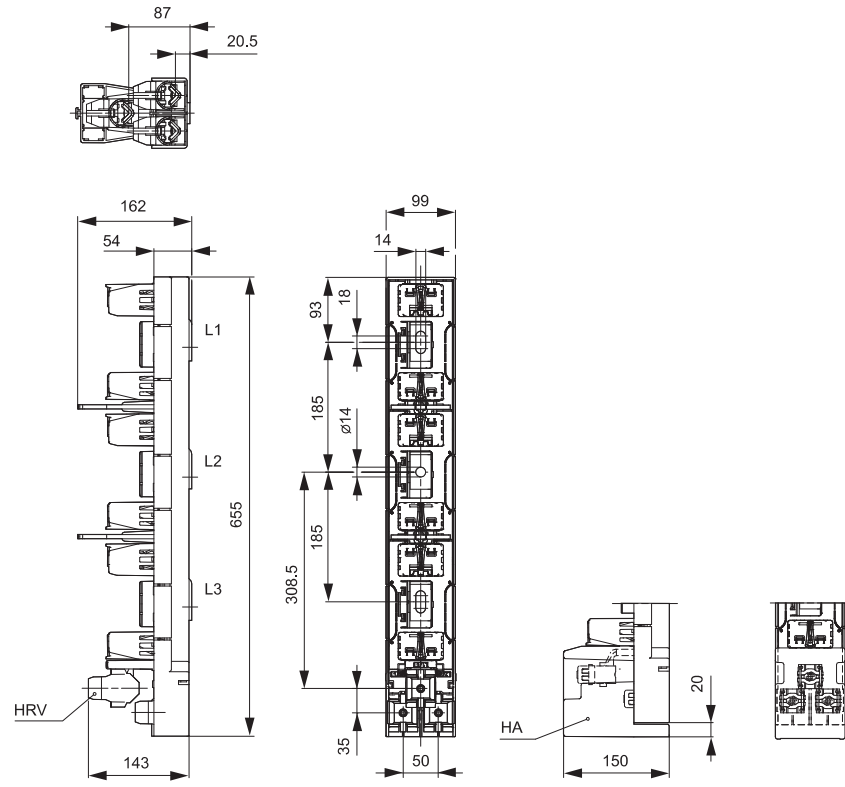


size 00/185



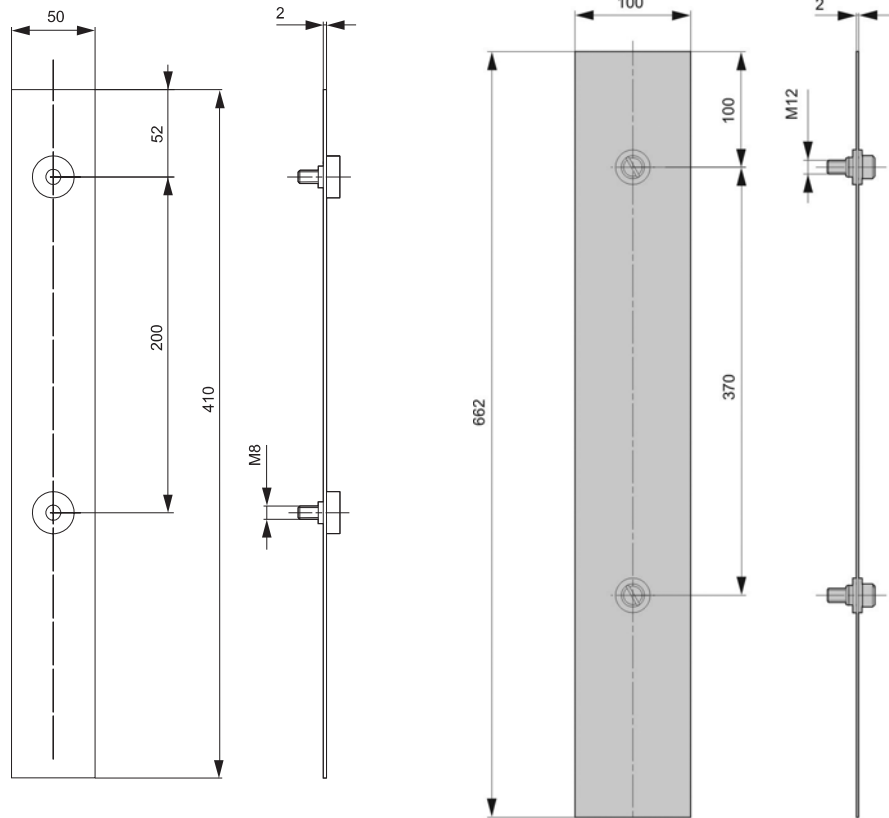
size 1, 2, 3 (M terminal)

Technical data



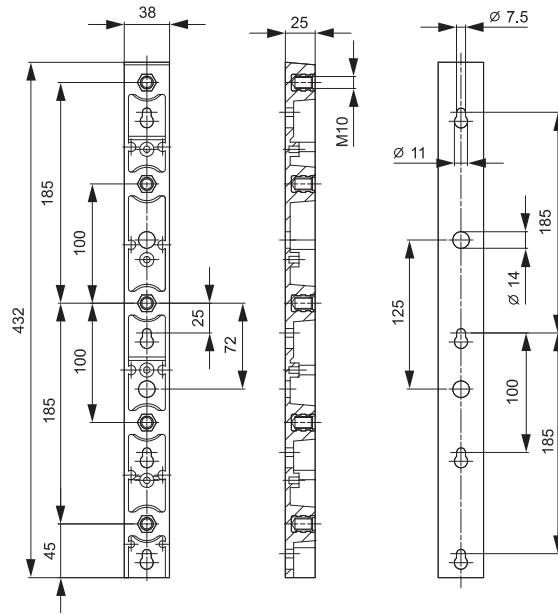
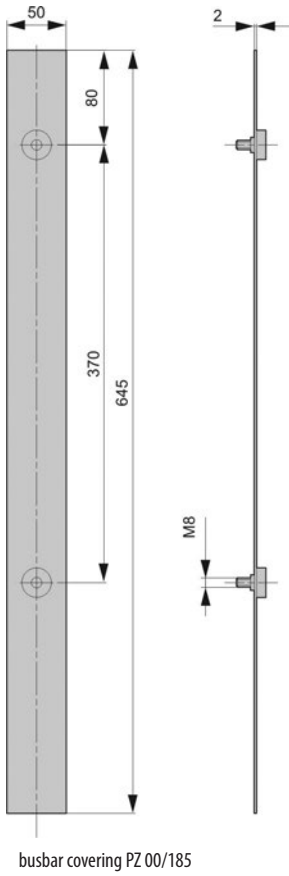
size 1, 2, 3 (SP terminal)

Dimensional overview of accessories for LV NV fuse-rails



busbar covering PZ 00/100

busbar covering PZ 123/185, busbar covering PZ 00/185

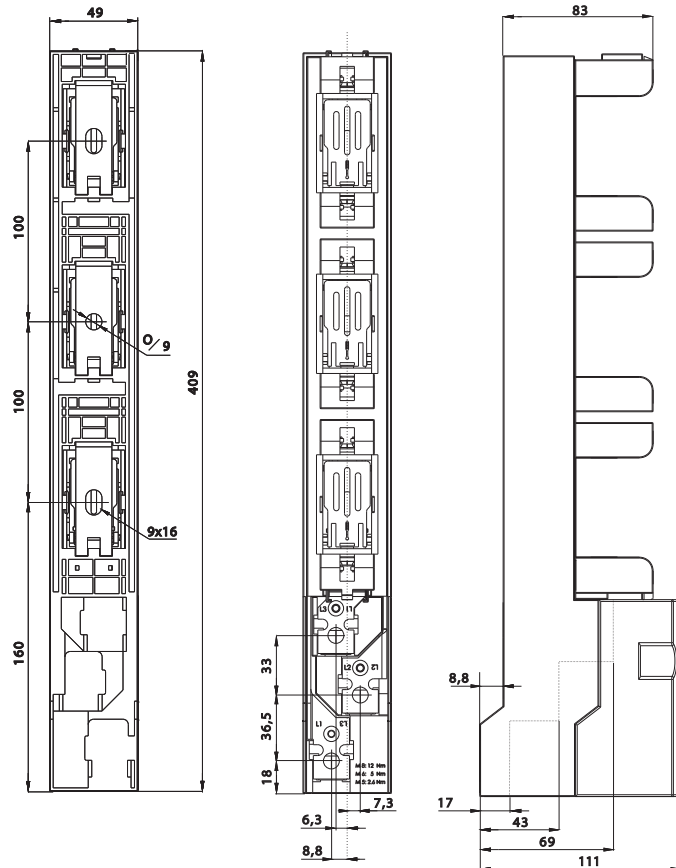


NV fuse-rail type VL00 EK

Technical data

Type	VL00/100 EK	
Conventional free air thermal current (Ith)	A	160
Rated insulation voltage	V	AC690
Rated withstand impulse voltage	Kv	6
Rated frequency	Hz	50 (40-60)
Power dissipation (without fuse-links)	W	16,6
Degree of protection (cover closed)		IP20
Degree of protection (cover opened)		IP20
Pollution degree		3
Permissible ambient temperature**	°C	-25°C ... +55°C
Storage temperature	°C	-30°C ... +70°C
Weight (without fuse-links)	kg	0,86
Package	pcs	1

** with ambient temperature between 40-45°C, reduce Ith by 5%;
with ambient temperature above 45°C, reduce Ith by 10%



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