

Technical Data Ex9F

Cylindrical Fuse Holders

General parameters

Versions for fuse-link size 10x38, 14x51 and 22x58 mm, suitable for gG and aM type fuse-links
Utilization category AC-20B at 400/690 V AC
Status signalization on Ex9F only
To be operated by qualified persons only

Electrical parameters

	Ex9F	Ex9F-14	Ex9F-22
Tested according to	EN 60947-3		
Rated operating voltage U_n	400/690 V AC		
Rated frequency f	50 Hz		
Rated conventional thermal current I_{th}	32 A	50 A	100 A
Rated operating current I_n	32 A	50 A	100 A
Number of poles	1P, 1P+N, 2P, 3P, 3P+N		
Suitable fuse-link size	10 x 38 mm	14 x 51 mm	22 x 58 mm
Fuse-link rated current at 400/690 V AC gG/aM at 690 V AC	32 A 32 A	50 A 50 A	100 A 100 A
Rated cond. short-circuit strength I_q at 400 V AC at 690 V AC	120 kA 80 kA	120 kA 80 kA	120 kA 80 kA
Rated insulation voltage U_i	1000 V		
Rated impulse withstand voltage U_{imp}	6 kV	8 kV	8 kV
Utilization category at 400/690 V AC	AC-20B		
Electrical service life	300 operational cycles		
Power loss without fuse-link	1.6 W		
Max. power loss of installed fuse-link gG aM	3 W 3 W	5 W 3 W	9,5 W 7 W

Mechanical parameters

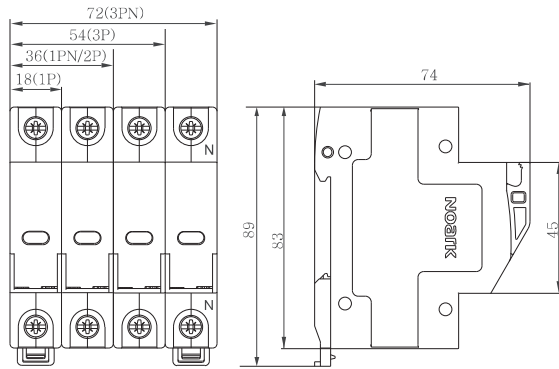
Device width per pole	18 mm	27 mm	36 mm
Device height	83 mm	93 mm	107 mm
Frame size	45 mm		
Mounting	onto DIN rail 35 mm		
Degree of protection	IP20		
Terminal capacity	1 – 25 mm ²	1 – 25 mm ²	1 – 35 mm ²
Fastening torque of terminals	2,5 Nm	3,5 Nm	3,5 Nm
Ambient temperature	-30 – +70°C		
Altitude	≤ 2000 m		
Relative humidity	+20°C ≤ 35 %	+40°C ≤ 50 %	+40°C ≤ 50 %
Resistance to humidity and heat	50 %		
Pollution degree	3		
Installation class	III		
Overvoltage category	I / 690 V AC	II / 500 V AC	III / 400 V AC
Mechanical service life	2000 operational cycles		
Weight (per pole without fuse-link)	0,07 kg	0,10 kg	0,17 kg

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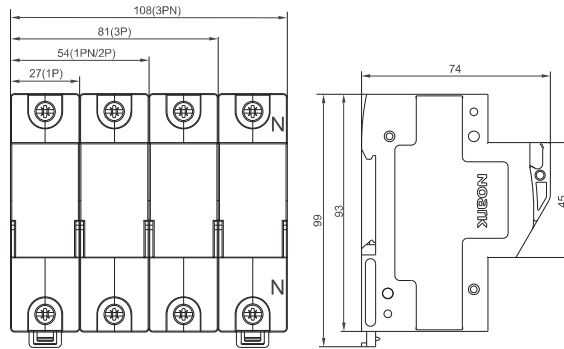
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Dimensions

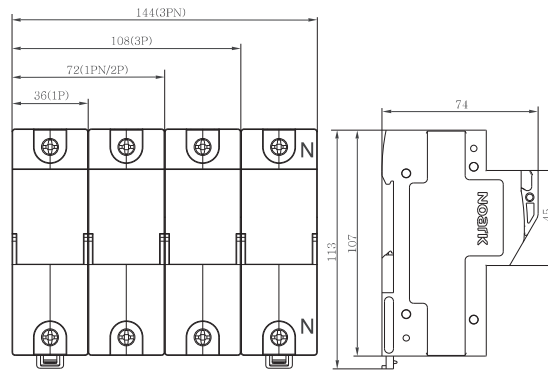
Ex9F



Ex9F-14



Ex9F-22



Wiring diagrams

