

E³-NH-Fuse-Switches, vertical design with electronic fuse monitoring

In the modern electrical distribution network it is becoming increasingly more important to quickly communicate data over long distances in order to react quickly to changes. An important issue in the display which security has switches within the network. Here had EFEN with new electronic fuse monitoring an integrated solution in the portfolio, which also leaves in the plant field of upgrading to be desired.



- **Integrated cable management:**

Due to the built-in cable management device of the signalling a time-consuming line eliminates wiring box cover and before the switching is facilitated.

- **Easy upgrade of existing facilities:** As the cover size the safety edge is not changed by the integrated electronic fuse monitoring, retrofitting into existing systems is easy and cost-effectively.

- **Electrical performance:**

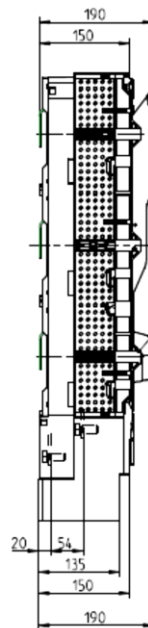
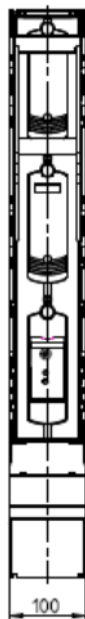
E³-Switches offer a short-circuit capacity of 120kA. This is an increase of reliability for the appendix.

The connection of the fuse monitoring is quick and easy via the built-in terminals. The cable management is thus protected behind the box cover.

E³-NH-Fuse-Switches, vertical design, 3-pole switching, with multiple use terminal (screw M12), electronic fuse-monitoring					
	Size	Amps	Order-No.	PU	PG
E ³ NH-LA-LEI 1 3P ESÜ2 MA U6	NH 1	250	38016-0640	1	E ³ -1-3
E ³ NH-LA-LEI 2 3P ESÜ2 MA U6	NH 2	400	38026-0640	1	E ³ -1-3
E ³ NH-LA-LEI 3 3P ESÜ2 MA U6	NH 3	630	38036-0640	1	E ³ -1-3

Sales status:	Delivery time:	Documentation:
Available	EXW, prior sale reserve	Product information 026

Dimension drawing



Technical Data

For NH-Fuse-Switches, vertical design acc. VDE 0660 T-107 / IEC/EN 60947-1/-3				Size NH 1	Size NH 2	Size NH 3
For NH Fuse-Links acc. to DIN 43210/1				Size NH 1	Size NH 2	Size NH 3
			Unit			
Rated operational current	400 V	I_e	A	250	400	630
	500 V			250	400	630
	690 V			200	315	500
Conventional free air thermal current		I_{th}	A	250	400	630
Rated operational voltage		U_e	V	AC 690	AC 690	AC 690
Rated insulation voltage		U_i	V	1000	1000	1000
Rated impuls withstand voltage		U_{imp}	kV	8	8	8
Rated conditional short circuit current (when protected by NH Fuse-Links)	400 V		kA	120	120	120
	500 V			120	120	120
	690 V			100	100	100
Utilization category VDE 0660 T107/EN/IEC 60947-3	400 V			AC-23B	AC-23B	AC-23B
	500 V			AC-22B	AC-22B	AC-22B
	690 V			AC-21B	AC-21B	AC-21B
Mechanical durability		Cycles		1400	1400	1400
Electrical durability		Cycles		200	200	200
Permissible ambient air temperature		°C		-25 bis +55	-25 bis +55	-25 bis +55
Type of protection acc. DIN/EN 60529/VDE 0470 T1		IP		30	30	30
Maximum power dissipation of the NH Fuse-Links		P_v	W	23	34	48
Total power loss at I_{th} (without fuse links)		P_v	W	27	56	111
Degree of pollution		-	-	3	3	3
Overvoltage category		-	-	IV	IV	IV
Rated frequency		-	Hz	50-60	50-60	50-60
Weight without NH Fuse-Links		-	kg	4,8	5,1	5,7