

Unenclosed Fused Switch 160A Suitable for NH style Fuse Links

BDNHP

Conforms to IEC 947

Regulations and Standards

for NH square bodied Fuse Links or equivalent.
VDE 0113, IEC204, IEC408
VDE 0660, Part 107
IEC 947-1 and 3 EN 60947-1 and 3

Application

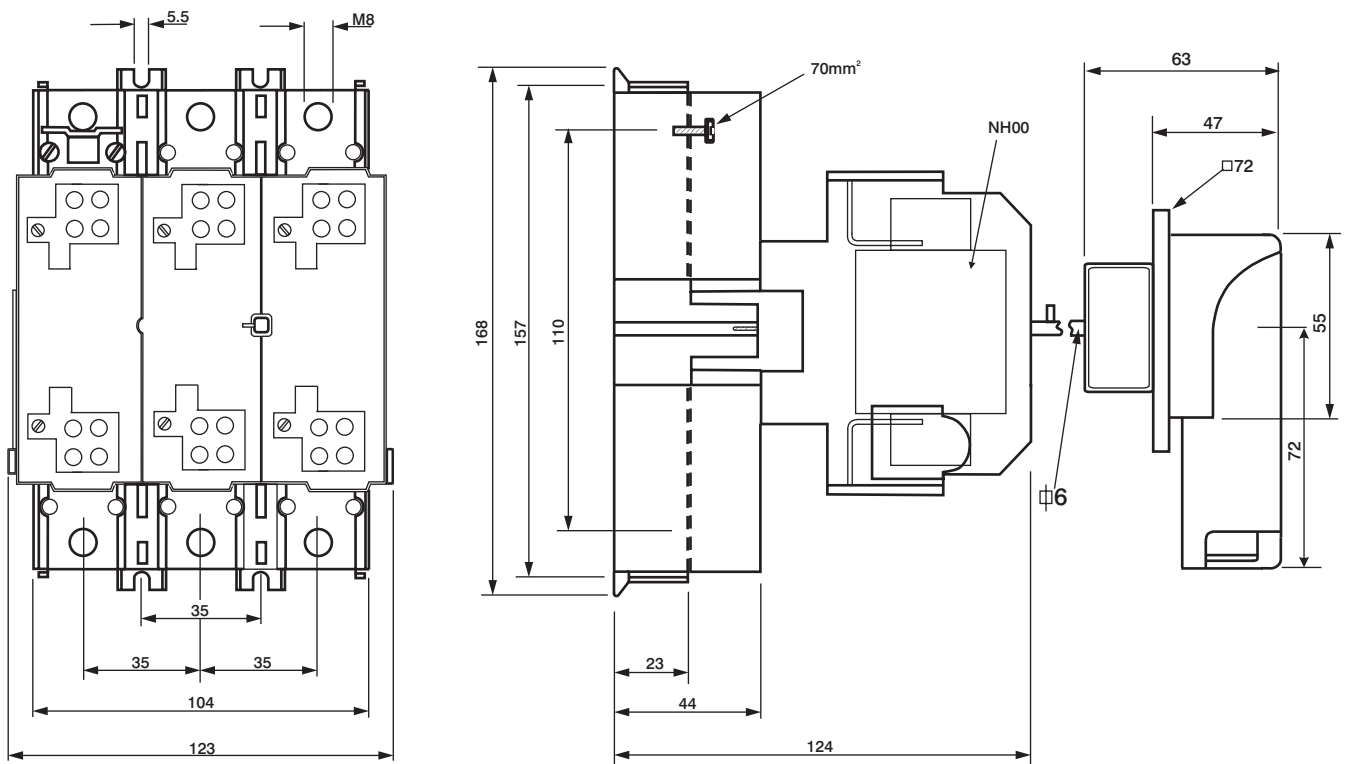
This new switch has been designed for use with NH type fuse links. BDNHP is a fully rated double break switch fuse. When the Switch Fuse is in the OFF position the fuse links are isolated on both sides.

These Switches are specifically designed for:

- Distribution Boards
- Switch Boards
- Load Centres
- Motor Control Centres
- Control Panels

as well as enclosed versions for remote distribution and isolation.

Dimensional Information (mm) (not to scale)



Design Features

The new design incorporates all the features you would expect of a modern Switch Fuse, but because of its innovative design it is very flexible in its application.

Features include:

- Wide lug terminals
- Visible contacts
- High breaking capacity
- Compact footprint
- Easy fuse fitting
- IP20 shrouding

Accessories

A range of accessories including Auxiliary Contacts, Extension Shafts, Neutral Links, Red/Yellow Handles are all available to order, but are not stocked.



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Characteristics for 160A

Electrical					
Rated current I_n open enclosed	45 deg C	160A	Rated operational voltage	690V	Frequency 40 - 60Hz
	55 deg C	160A	Rated insulation voltage	1000V	
	45 deg C	145A	Test insulation voltage	2500V	
	55 deg C	145A			
Operational current	415V	160A	Operational current	415V	160A
AC21, cos ϕ 0,95	500V	160A	AC22, cos ϕ 0,65	500V	160A
IEC947-3	690V	160A	IEC947-3	690V	160A
Breaking capacity	415V	240A	Breaking capacity	415V	480A
AC21, cos ϕ 0,95	500V	240A	AC22, cos ϕ 0,65	500V	480A
IEC947-3	690V	240A	IEC947-3	690V	480A
Operational power	415V	55kW	Short circuit making capacity (I_s)	22.5kA	Rated short time current
AC23, cos ϕ 0,35	500V	75kW	Rated fused S/C current RMS with max HRC fuse type gI	50kA 160A	1 sec. RMS value
DIN Fuse size 00	160A		Electrical endurance	415V 1000 Ops	Electrical endurance
			AC21, cos ϕ 0,95	500V 1000 Ops	415V 600 Ops
			AC22, cos ϕ 0,65	690V 600 Ops	500V 600 Ops
					690V Ops
Mechanical					
Mechanical Endurance	5 x 10 ³ Ops		Cable Size		Max. terminal torque
			Max. cross section	70mm ²	7.5 - 12 Nm
Type 3-pole			Type 3-pole+N		Max. lug width
Art.-No.	141080		Art.-No.	141081	22.5mm
Net weight	1.0kg		Net weight	1.1kg	
Packed weight			Packed weight		
Accessories					
Terminal Shrouds:	19135001		Additional extension shafts:	190501	Auxiliary Contacts:
Red/Yellow handle:	190362		(Standard shaft for depth up to 215mm)		191429 (up to 3 x 1NO + 1NC)