

Product Details of Vertical gang operated fuse switch disconnecter



→ Switchgear [1764]



→ COSMO - 60mm busbar system [250]



→ NH fuse-bases and NH strip-fuseways [273]



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Vertical Gang operated Fuse switch-disconnector

160A,
Size 00,
100mm
bus bar
system



160A,
Size 00,
185mm
bus bar
system



Size 00 (160A) to Size 4A(1250A), 185mm
bus bar system





Dimensions

- Width
 - size 00 = 50mm
 - sizes 1, 2 and 3 = 100mm
- Uniform installation depth
 - sizes 1, 2 and 3
 - size 00 + Adapter
- Adaptable height for size 00/100 to size 1, 2 and 3



- Enables free configuration
- Ensures complete closed and protected distribution panels ac. to IP30

6way pillar Box, switch closed condition



6Way Pillar Box, Switch open condition





JEAN MÜLLER offers:

- Size 00 (160A) to size 4A (1600A)
- For 100mm- or 185mm bus-bar systems
- Customer-defined cable connection at top or bottom side
- Protection against touch acc. to IP30 from front side
- High switching ability (up to AC23B)
- High short circuit strength
- Lowest power loss
- High quality plastic materials (self extinguishing and halogenfree)
- Safety and high performed also under strongest conditions

Why we need three pole gang operated Fuse switch disconnecter?

- Easy isolation of circuits without any tools like fuse handle
- Specific circuits can be locked for maintenance preventing accidents.
- Locking in PARK position will ensure proper closing /opening of switch
- Easy fuse insertion and removal without any tools
- Operator can check fuse healthy and current rating visually through window without opening switch during live circuits
- Safe operation as IP 30 with door open
 - 3padlock provision are available and will be helpful maintenance time.



- We can take safely additional temporary connection in our fuse switch
- Switch can be switched off and On in on load condition safely no need to switch of incoming supply. No visible sparks or arcs.
- Switch can be closed even on a dead short circuit safely with our delta contact with anti pinch effect. (even though we use same contact in fuse strip fuse insertion speed is left to operator skill.)
- Fuse insertion/ removal is swift increasing contact life.
- Parking position is possible for safety of field staff is possible only in fuse switch.

- Connected Loads are asymmetrical(Unbalanced). In example, Loads are connected like RPhase - 300A, Yphase - 350A and Bphase - 300A, In case of single pole switching or removing/disconnecting single phase removing, If Rphase is not closed by operator, consumer load will change to other phases, then possibility of current flow will be Yphase - 500A to 650A and Bphase - 450A to 600A. Due to unbalance current issue, It is preferable to have system as three pole gang operated, otherwise will lead to further asymmetry and unbalance. It leads to (A) Cable damage, (B) Fuse blow, (C) More neutral current flow through system.
- Unbalance load will increase negative phase sequence.
- Higher neutral current will lead tripping in HV side or damage transformer.



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- Easy mounting on bus-bar systems
- Safety installation on life panels



3-pole switching version

- Long handle for easy and fast operation
- Safe end-position
- Lockable with up to 3 padlocks in ON- and OFF-Position
- Easy isolation of circuits without any tools like fuse handle

Easy fuse insertion and removal without any tools





- Big window for recognisability of fuse-link data
- Safety access points for voltage tester



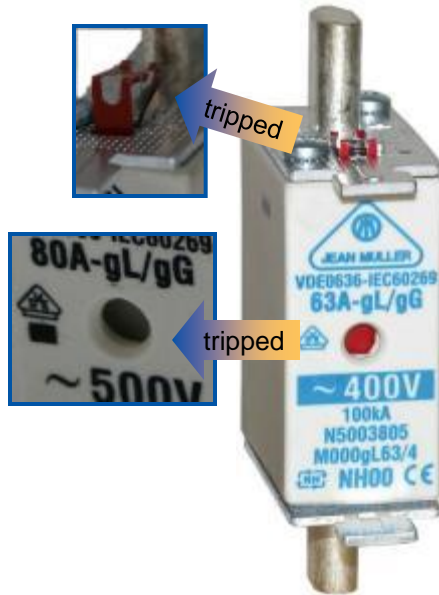


Fuse monitoring devices

- Fuse switch-disconnector with fuse monitoring unit PL Fuse
- Size 00 until size 3
- Integrated power supply
- Rated voltage 400-690VAC
- Auxiliary contacts 1xmake/1xbreak
- Compact design
- Fuse-switch-disconnector with fuse-monitoring with motor protection switch
- For special application (e.g. DC-networks)
- Auxiliary contacts 1xmake/1xbreak



- For cable and line protection
- Full-range protection at overload and short circuit
- Rated voltages 400V, 500V, 690V and 1200V
- Time/current-characteristics
- Live and isolated gripping-lugs
- Indicator as combination indicator or striker



- Combination indicator (standard)
 - Combines top and centre indicator
 - Optional application
- Top indicator (standard at 1200V / gTr / aM)
 - Indication by red spring tag at top plate
- Centre indicator
 - Indication by red isolated pearl in middle of the body

Technical points of NH strip type fuse switch disconnecter

Sr No	Technical Points	NH strip Fuse switch disconnecter
1	Safety and Life saving	Very High
2	IP protection	High- IP 30
3	Switching possibility	High switching ability (up to AC23B- Switching of motor loads and other highly inductive loads)
4	Fuse inserting and removing	Operators can insert and removing HRC fuse easily without disconnecting other Circuits. Individual circuits can be isolated easily performed and disconnect all the phases easily at a time
5	Locking provision during maintenance	Individual circuits can be isolated and locked during maintenance
6	Voltage measurement	Possible
7	Checking fuse healthy visually through transparent window	Operator can check fuse healthy and current rating visually through window without opening switch during live circuits

Thanks to all

