

Supplementary modular devices

Switch-disconnectors VN-32

VN-32 load-break switches are switching apparatuses without protection functions. From functional point of view, the VN-32 are knife switches with double break of contacts that prevents occurrence of leakage even under environmental conditions of elevated humidity. Switch versions for 100 A have two contact bridges working in parallel in order to improve reliability of contacts and limit heat loss at contact junctions. The switches do not have arc suppression elements and cannot be used for switching on/off of capacitance and inductance loads.



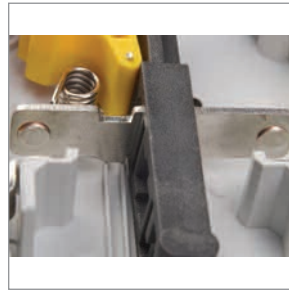
Advantages

- Improved wider engagement lever with enlarged contact surface.
- Notched terminal clamps reduce the heat loss and increase mechanical stability of the connection.
- Wide operating temperature range from -40 to $+50$ °C.
- Quick installation using the latch with double locking.

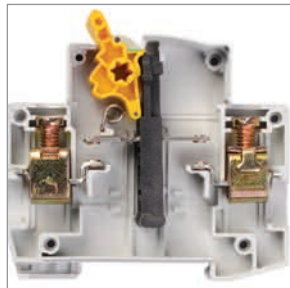
Design Features



Increased robustness of the casing in conductor connection area due to two additional rivets and solid faceplate.



Soldered-on composite material with silver improves wear resistance of the contact assembly and decreases the transient resistance.



No power consumption, manually controlled device.



Notched terminal clamps reduce the heat loss and increase mechanical stability of the connection.



Quick installation and additional reliability of snapping on to the DIN-rail due to the latch with double locking.







The design (double break of a circuit) allows virtually excluding breakdown and insulation flashover even after prolonged operation and in heavy pollution conditions.



Full compliance to the standard: ON/OFF lever position corresponds to the contact status.

Range

	Name	Rated current I_n , A	Bridge contacts Nr.	Wear resistance, ops.	Package amount, pcs multiple	Package amount, pcs transport	Product ID
	VN-32 1P 20 A	20	1	30 000	12	240	MNV10-1-020
	VN-32 1P 25 A	25	1	30 000	12	240	MNV10-1-025
	VN-32 1P 32 A	32	1	30 000	12	240	MNV10-1-032
	VN-32 1P 40 A	40	1	20 000	12	240	MNV10-1-040
	VN-32 1P 63 A	63	2	20 000	12	240	MNV10-1-063
	VN-32 1P 100 A	100	2	10 000	12	240	MNV10-1-100
	VN-32 2P 20 A	20	1	30 000	6	120	MNV10-2-020
	VN-32 2P 25 A	25	1	30 000	6	120	MNV10-2-025
	VN-32 2P 32 A	32	1	30 000	6	120	MNV10-2-032
	VN-32 2P 40 A	40	1	20 000	6	120	MNV10-2-040
	VN-32 2P 63 A	63	2	20 000	6	120	MNV10-2-063
	VN-32 2P 100 A	100	2	10 000	6	120	MNV10-2-100
	VN-32 3P 20 A	20	1	30 000	4	80	MNV10-3-020
	VN-32 3P 25 A	25	1	30 000	4	80	MNV10-3-025
	VN-32 3P 32 A	32	1	30 000	4	80	MNV10-3-032
	VN-32 3P 40 A	40	1	20 000	4	80	MNV10-3-040
	VN-32 3P 63 A	63	2	20 000	4	80	MNV10-3-063
	VN-32 3P 100 A	100	2	10 000	4	80	MNV10-3-100
	VN-32 4P 20 A	20	1	30 000	3	60	MNV10-4-020
	VN-32 4P 25 A	25	1	30 000	3	60	MNV10-4-025
	VN-32 4P 32 A	32	1	30 000	3	60	MNV10-4-032
	VN-32 4P 40 A	40	1	20 000	3	60	MNV10-4-040
	VN-32 4P 63 A	63	2	20 000	3	60	MNV10-4-063
	VN-32 4P 100 A	100	2	10 000	3	60	MNV10-4-100



Technical Features

Standards	IEC 60947-3
Rated voltage of 50 Hz (frequency), V	230/400
Rated operation current I_n , A	20; 25; 32; 40; 63; 100
Rated short-time current (t = 1 sec.)	15 I_n
Primary application category	AC 22 V
NP / No. of poles	1; 2; 3; 4
Protection degree	IP20
Electrical durability, not less than, ops.	10 000
Mechanical durability, not less than, ops.	20 000
Cables max. size, mm ²	35
Silver content, (Ag), g/pole	1,2
Pole weight, not less than, kg	0,13
Operating temperature range, °C	-40 ÷ +50

Overall Dimensions

