

Power circuit breakers

Molded case circuit breakers VA88

VA88 circuit breakers are intended for conducting current in normal mode and switching it off at short circuits, overload, inadmissible bucking as well as operational actuation and tripping of electric circuit parts. They are designed for use in electric units having the operative voltage limited to 400 V per rated current from 12,5 to 1600 A. Correspond to the requirements of EN 60947-1, EN 60947-2

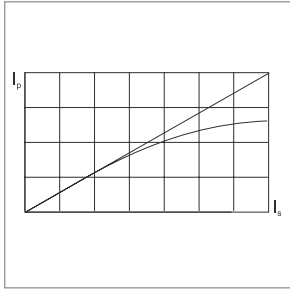


This circuit breaker was awarded silver medal of the 16th International Exhibition "Electro-2007" in nomination "Best electrical equipment".

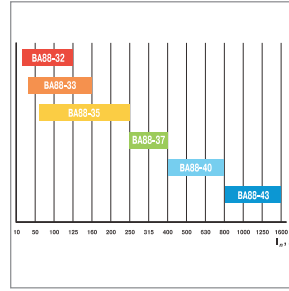
Advantages

- Easy independent installation of auxiliary devices:
 - signal contact;
 - auxiliary contact;
 - undervoltage trip;
 - shunt trip;
 - rotary handle;
 - motor control;
 - plug-in panel;
 - pull-out panel.
- Standard set of each circuit breaker consists of connecting busbars or cable lugs, phase separators, a set of screws and nuts for its mounting onto an installation panel.
- With the help of special buckles VA88-32 and VA88-33 units can be installed onto a DIN-rail.
- Weight and dimensions of these circuit breakers are by 10-20% less than that suggested by other home manufacturers. This fact provides for mounting smaller boxes and panels. Besides, small dimensions make it possible to change old circuit breakers to VA88.

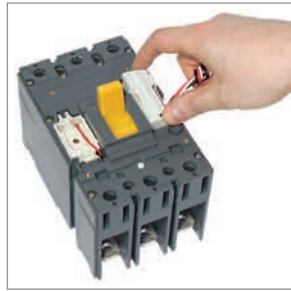
Design Features



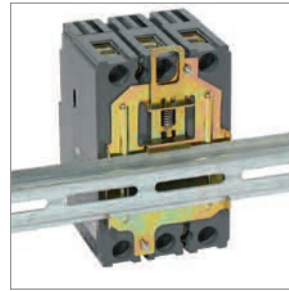
Current limit, in other words – actual short circuit current, is lower than the rated one. This is realized at the expense of boosted contacts separation speed. Dynamic effect of magnetic field and the arc extinguishing chamber structure provide for extinguishing the arc within the shortest possible time.



Full range of thermal releases gives opportunity to ensure selectiveness based on the multi-level protection system.



VA88 construction provide for independent installation of auxiliary devices.



With the help of a special RCS buckle VA88-32, VA88-33 circuit breakers can be installed onto a DIN-rail.



Plastic details of the body are made of glass-nylon composite ensuring yield strength at short circuits.



VA88 can be mounted in any position without affecting their rated characteristics. They can be powered from the upper or lower clamps without violating their operation.



Double insulation provides for full separation of power and auxiliary circuits. The body of each auxiliary device is placed to a separate bay that totally excludes any contacts with conducting parts and ensures servicing and testing safety.



High values of ultimate short-circuit breaking capacity extend up to 50 kA.

Configuration



Connecting busbars



Phase separators



Set of screws for panel mounting



Set for connecting external conductors



	Name	Rated current, A	Number of poles	Ultimate short-circuit breaking capacity I_{cu}	Package amount, pcs		Product ID
					individual	multiple	
	VA88-40 3P 400 A 35 kA	400	3	35	1	2	SVA50-3-0400
	VA88-40 3P 500 A 35 kA	500	3	35	1	2	SVA50-3-0500
	VA88-40 3P 630 A 35 kA	630	3	35	1	2	SVA50-3-0630
	VA88-40 3P 800 A 35 kA	800	3	35	1	2	SVA50-3-0800
	VA88-40 3P 800 A 35 kA with MR 211 electronic trip unit	800	3	35	1	2	SVA51-3-0800
	VA88-43 3P 1000 A 50 kA with MR 211 electronic trip unit	1000	3	50	1	1	SVA61-3-1000
	VA88-43 3P 1250 A 50 kA with MR 211 electronic trip unit	1250	3	50	1	1	SVA61-3-1250
	VA88-43 3P 1600 A 50 kA with MR 211 electronic trip unit	1600	3	50	1	1	SVA61-3-1600

VA88 delivery package

Name	VA88-32		VA88-33		VA88-35	VA88-35 with an electr. trip unit	VA88-37	VA88-37 with an electr. trip unit	VA88-40	VA88-40 with an electr. trip unit	VA88-43 with an electr. trip unit
	10 ÷ 50	63 ÷ 125	32 ÷ 50	63 ÷ 160							
MCCB VA88	+		+		+	+	+	+	+	+	+
Packing box	+		+		+	+	+	+	+	+	+
Certificate	+		+		+	+	+	+	+	+	+
Adapter lug	-	+	-	+	-	-	+	+	+	+	+
Cable lug	+	-	+	-	-	+	-	-	-	-	-
Phase separators	+		+		+	+	+	+	+	+	+
Set for connecting external conductors	-		-		+	+	+	+	+	+	+
Set of screws for panel mounting	+		+		+	+	+	+	+	+	+