



Application scope

The product is applicable to circuit with rated voltage up 400V AC, rated frequency 50/60Hz and rated current up to 63A for protection and control of circuit against overload and short circuit in commercial, household and electric equipment installation. The product is suitable for non-frequently making and breaking operation.

The product, free of maintenance, can be operated by non-professionals.

Type	JVM16-63 MCB
Number of poles	1P、1P+N、2P、3P、3P+N、4P
Rated Current(In)	1、2、3、4、6、10、16、20、25、32、40、50、63A
Rated Voltage(Un)	AC 230(240)/400(415)V
Rated frequency	50(60)Hz
Curve	B、C、D
Short-circuit breaking capacity (Inc)	10000A (10kA)
Magnetic releases operate	B curve: between 3 and 5 In
Electro-mechanical endurance	C curve: between 5 and 10 In
Terminal protection	D curve: between 10 and 20 In
Electro-mechanical endurance	≥ 8000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C ~ +40°C, average temperature not exceeding 35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

JVM16-32 JVM16-125



Application scope

Protection and control of circuit against overload and short circuits in commercial and household installation. The product, free of maintenance, can be operated by non-professionals.

Standard: IEC60898

Type	JVM16-32 MCB
Number of poles	1P+N
Rated Current(In)	6、10、16、20、25、32A
Rated Voltage(Un)	AC 230(240)V
Rated frequency	50(60)Hz
Curve	C
Short-circuit breaking capacity(Icn)	4500A
Magnetic releases operate	C curve: between 5 and 10 In
Electro-mechanical endurance	≥ 4000
Terminal protection	IP20

Construction features: the pass electric current characteristic of circuit breaker can not be changed with outside mechanical tool ;The accessory which made by ferrous metal should have proper antirust measure ;The operating organization must be flexible and reliable, and should have freed function to take off and deduct; the Operate part can not be taken down from the shell outer of products,; the shell of product can not influence the operating organization to work.



Application scope

High short-short capacity 25KA.
Designed to protect circuit carrying big current up to 125A.
Contact position indication.
Used as main switch in household and similar installation

Standard: IEC60947-2 GB14048.2

Type	JVM16-125 MCB
Number of poles	1P、1P+N、2P、3P、3P+N、4P
Rated Current(In)	20、25、32、40、50、63、80、100、125A
Rated Voltage(Un)	AC 230/400V
Rated frequency	50(60)Hz
Curve	C、D
Ultimate short-circuit breaking capacity (Icu)	25KA
Service short-circuit breaking capacity(Ics)	15KA
Rated impulse withstand voltage	6000V
Electro-mechanical endurance	In≤100=10000 ; In125=8000
Terminal protection	IP20

JVM1-63



Application scope

Protection and control of circuit against overload and short circuit, In building installation-such as houses, offices, commercial complex, motor system(D curve) and industrial installation-for switching ,control, protection and regulation of electrical circuits. Also in switchgear panels, railway and marine application.

Standard: IEC60898

Type	JVM1-63 MCB
Number of poles	1P、 2P、 3P、 4P
Rated Current(In)	1、 2、 3、 4、 6、 10、 16、 20、 25、 32、 40、 50、 63A
Rated Voltage(Un)	AC 230(240)/400(415)V
Rated frequency	50(60)Hz
Curve	B、 C、 D
Short-circuit breaking capacity(Icn)	10000A
Magnetic releases operate	B curve: between 3 and 5 In C curve: between 5 and 10 In D curve: between 10 and 14 In
Electro-mechanical endurance	≥ 6000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C~ +40°C, average temperature not exceeding 35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

DZB7-63

CB CE RoHS



Application scope

DZB7-63 Protection and control of circuit against overload and short circuit, In building installation-such as houses, offices, commercial complex, motor system(D curve) and industrial installation-for switching ,control, protection and regulation of electrical circuits. Also in switchgear panels, railway and marine application. The product, free of maintenance, can be operated by non-professionals.

Standard: IEC60898

Type	DZB7-63
Number of poles	1P、2P、3P、4P
Rated Current(In)	1、2、3、4、6、10、16、20、25、32、40、50、63A
Rated Voltage(Un)	AC 230(240)/400(415)V
Rated frequency	50(60)Hz
Curve	B、C、D
Short-circuit breaking capacity(Icn)	6000A
Magnetic releases operate	B curve: between 3 and 5 In C curve: between 5 and 10 In D curve: between 10 and 14 In
Electro-mechanical endurance	≥ 4000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C~ +40°C, average temperature not exceeding 35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

NC-63



Application scope

NC-63 Protection and control of circuit against overload and short circuit, In building installation-such as houses, offices, commercial complex, motor system (D curve) and industrial installation-for switching ,control, protection and regulation of electrical circuits. Also in switchgear panels, railway and marine application. The product, free of maintenance, can be operated by non-professionals.

Standard: IEC60898

Type	NC-63
Number of poles	1P、2P、3P、4P
Rated Current(In)	1、2、3、4、6、10、16、20、25、32、40、50、63A
Rated Voltage(Un)	AC 230(240)/400(415)V
Rated frequency	50(60)Hz
Curve	B、C、D
Short-circuit breaking capacity(Icn)	6000A
Magnetic releases operate	B curve: between 3 and 5 In C curve: between 5 and 10 In D curve: between 10 and 14 In
Electro-mechanical endurance	≥ 4000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C~ +40°C, average temperature not exceeding 35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

DZ47-63(C45N)



Application scope

DZ47-63 Protection and control of circuit against overload and short circuit, In building installation-such as houses, offices, commercial complex, motor system (D curve) and industrial installation-for switching ,control, protection and regulation of electrical circuits. Also in switchgear panels, railway and marine application. The product, free of maintenance, can be operated by non-professionals.

Standard: IEC60898

Type	DZ47-63(C45N)
Number of poles	1P、1P+N、2P、3P、3P+N、4P
Rated Current(In)	1、2、3、4、6、10、16、20、25、32、40、50、63A
Rated Voltage(Un)	AC 230(240)/400(415)V
Rated frequency	50(60)Hz
Curve	B、C、D
Short-circuit breaking capacity(Icn)	6000A
Magnetic releases operate	B curve: between 3 and 5 In C curve: between 5 and 10 In D curve: between 10 and 14 In
Electro-mechanical endurance	≥ 4000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C~ +40°C, average temperature not exceeding 35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

DZ47-100



Application scope

Be applicable to circuit with rated voltage 230V/400V, rated frequency 50Hz/60Hz and rated current not exceeding 125A. Protection and control of circuit against overload and short circuits in commercial and household installation. The product, free of maintenance, can be operated by non-professionals.

Standard: GB14048.2, IEC60947.2

Type	DZ47-100
Number of poles	1P、2P、3P、4P
Rated Current(In)	63、80、100、125A
Rated Voltage(Un)	AC 230/400V
Rated frequency	50(60)Hz
Curve	C、D
Short-circuit breaking capacity (Icn)	10000A
Power factor(Cos φ)	1P、2P、3P、4P: 0.45~0.50 2P、3P、4P: 0.20~0.25
Electro-mechanical endurance	≥ 20000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C ~ +40°C, average temperature not exceeding 35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed vertically at the place where there shall be no severe impact and vibration. The product is switched on when the handle is at upper position.

DZ30-32



Application scope

Protection and control of circuit against overload and short circuits in commercial and house installation. The product, free of maintenance, can be operated by non-professionals.

Standard: IEC60898

Type	DZ30-32
Number of poles	1P+N
Rated Current(In)	6、10、16、20、25、32A
Rated Voltage(Un)	AC 230(240)V
Rated frequency	50(60)Hz
Curve	C
Short-circuit breaking capacity(Icn)	4500A
Magnetic releases operate	C curve: between 5 and 10 In
Electro-mechanical endurance	≥ 4000
Terminal protection	IP20

Construction features:

- ◆ Circumstance temperature -5°C ~ +40°C, average temperature within 24h not exceeding +35°C.
- ◆ Altitude above sea level less than 2000 m.
- ◆ Humidity not exceeding 50% at 40°C and not exceeding 90% at 25°C.
- ◆ Installation class II or III.
- ◆ Pollution class 2.
- ◆ Installation method DIN Rail mounting type.
- ◆ The external magnetism shall not be more than 5 times of terrestrial one.
- ◆ Product shall be installed at the place where there shall be no severe impact and vibration.
- ◆ Product shall be vertically mounted onto standard Din rail 35mm.

Accessories for JVM16



F3 Auxiliary Contact

Contact capacity:

AC: $U_n=400V$ $I_n=3A$

$U_n=230V$ $I_n=6A$

DC: $U_n=125V$ $I_n=1A$

$U_n=48V$ $I_n=2A$

$U_n=24V$ $I_n=6A$

Dielectric strength: 2000V/1min

Electro-mechanical endurance: ≥ 5000

Mounted on the left side of the MCB JVM16-63, indicating "ON", "OFF" status of combined MCB



S3 Shunt tripper

Rated insulating voltage (U_i): 500V

Rated power voltage (U_s): AC

400V, 230V, 125V

Operate voltage range: 70-100% U_s

Contact capacity:

AC: 3A/400V

AC: 6A/230V

AC: 9A/125V

Dielectric strength: 2000V/1min

Electro-mechanical endurance: ≥ 4000

Mounted on the right side of the MCB/RCBO, used to trip the combined MCB/RCBO by remote controlling device.



SD3 Alarm switch

Rated insulating voltage

(U_i): 500V

Rated power voltage (U_s): AC

400, 230, 125V

Operate voltage range : 70~100%

U_s

Contact capacity:

AC: 3A/400V

AC: 6A/230V

AC: 9A/125V

Dielectric strength: 2000V/1min

Electro-mechanical endurance: ≥ 4000

Is used to connect ON/OFF auxiliary contact, work as circuit breaker ON/OFF indicator in case of faulty (tripping)



U3+O3 Over-voltage/Under-voltage tripper

Rated voltage: AC 230V

Rated insulating voltage: 500V

Over-voltage tripping range: $280V \pm 5\%$

Under-voltage tripper range: $170V \pm 5\%$

Electro-mechanical endurance: ≥ 4000

Accessories for DZ47-63



F2 Auxiliary contact

- ◆ Contact capacity:
- ◆ AC: $U_n=400V$ $I_n=3A$
- ◆ $U_n=230V$ $I_n=6A$
- ◆ DC: $U_n=125V$ $I_n=1A$
- ◆ $U_n=48V$ $I_n=2A$
- ◆ $U_n=24V$ $I_n=6A$
- ◆ Dielectric strength: $2000V/1min$
- ◆ Electro-mechanical endurance: ≥ 5000
- ◆ Mounted on the left side of the MCB DZ47-63, indicating "ON", "OFF" status of combined MCB



S2 Shunt tripper

- ◆ Rated insulating voltage (U_i): $500V$
- ◆ Rated power voltage (U_s): AC $400V, 230V, 125V$
- ◆ Operate voltage range: $70-100\% U_s$
- ◆ Contact capacity:
- ◆ AC: $3A/400V$
- ◆ AC: $6A/230V$
- ◆ AC: $9A/125V$
- ◆ Dielectric strength: $2000V/1min$
- ◆ Electro-mechanical endurance: ≥ 5000
- ◆ Mounted on the right side of the MCB/RCBO, used to trip the combined MCB/RCBO by remote controlling device.



U2+O2 Over-voltage/under-voltage tripper

- ◆ Rated voltage (U_e): AC $230V$
- ◆ Rated insulating voltage (U_i): $500V$
- ◆ Over-voltage tripping range: $280V \pm 5\%$
- ◆ Under-voltage tripping range: $170V \pm 5\%$
- ◆ Mounted on the right side of circuit breaker, actuate the combined to trip in case of under-voltage or over-voltage, effectively prevent the device from closing operation under abnormal power voltage condition.

BUSBAR & ADAPTOR

Application scope

Busbar ensures reliable and efficient terminal connection to MCB, RCCB and other modular electric devices.



Busbar 1P+N Type



Busbar PIN Type



Busbar U Type



Terminal Adaptor

- ◆ Be suitable for installation of circuit breakers.
- ◆ Rated current: 63A
- ◆ Poles: 1、2、3、4P



BC4



BC3



BC2



BC1

End Cap