HONVAX

ELECTRICAL COMPONENTS

English Product Overview

CHANGKAI PRODUCT SERIES

Power distribution | Switching | Motor control | Monitoring







Engineering procurement and China sourcing

High and low voltage switching components, photovoltaic circuit protection, isolation and transfer switching, surge protection, motor control and power monitoring.

Manufacturer series: Jiangsu Changkai Electric Technology Co., Ltd., as identified in the supplied manufacturer catalogue. Product photographs are original series illustrations; final configuration is selected by order code.

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Series data supports product enquiries and technical selection.

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Contents

Products are grouped by function for straightforward range comparison. All 28 product families from the supplied catalogue are included.

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Original colour photographs show the manufacturer series. Pole arrangements, accessories, protection and ratings vary by configuration. The detailed technical catalogue provides technical tables and installation drawings.

The photovoltaic air circuit breaker CW6G is specified for alternating current service. The photovoltaic moulded case series CM6G is described for direct current service. Their ratings must be selected separately.

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Medium voltage switching

Contents



CV6-12

Solid insulated vacuum circuit breaker

System voltage: 7.2-12 kV; Frequency: 50 Hz.

Indoor three phase protection and switching for power stations, substations, industrial plants, airports and building distribution.

Original manufacturer series photograph | CV6-12



CVZF-12R

Withdrawable vacuum switching unit

Rated voltage: 12 kV; Frequency: 50 Hz; Rated current range: 630-3150 A, dependent on breaking group.

Indoor vacuum switching for distribution networks and industrial equipment. Fixed or withdrawable construction.

Original manufacturer series photograph | CVZF-12R



CVL-12GD

Indoor three position vacuum circuit breaker

Application voltage: 3.6-12 kV; Source coding example current: 630 A; Source coding example breaking duty: 20 or 25 kA.

Integrated disconnector, solid insulated breaker and earthing switch with mechanical interlocking.

Original manufacturer series photograph | CVL-12GD

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Medium voltage switching continued

Contents



CKFK(R)N12-12D

Indoor air break load switch and fuse combination

Rated voltage: 12 kV; Frequency: 50 Hz; Load switch text reference: CKFKN12-12D/T630-20.

Load switching and fuse protected transformer or distribution circuits.

Original manufacturer series photograph | CKFK(R)N12-12D



CKFZ(R)N25-12

Indoor vacuum load switch and fuse combination

Rated voltage: 12 kV; Frequency: 50 Hz; Switch diagram example: 630 A; 20 kA short time withstand.

Indoor load switching, with a separate fuse combination option for short circuit protection.

Original manufacturer series photograph | CKFZ(R)N25-12



CKZW32-12FG

Outdoor intelligent boundary vacuum circuit breaker

Rated voltage: 12 kV; Rated current: 630 or 1250 A; Frequency: 50 Hz.

Outdoor fault detection, protection and communication at a 12 kV customer incoming boundary or overhead line branch.

Original manufacturer series photograph | CKZW32-12FG

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Low voltage circuit breakers

Contents



CW6

Air circuit breaker

Operating voltage: Up to 690 V alternating current; Frequency: 50 Hz; Rated current range: 200-6300 A.

Intelligent distribution breaker for overload, undervoltage, short circuit and single phase earth fault protection.

Original manufacturer series photograph | CW6



CM6

Moulded case circuit breaker

Rated insulation voltage: 1000 V; Operating voltage: Up to 690 V alternating current; CM6-63: 400 V; Frequency: 50 Hz.

Thermal magnetic distribution and motor protection breaker for infrequent switching and infrequent motor starting.

Original manufacturer series photograph | CM6



CM6L

Residual current moulded case circuit breaker

Rated insulation voltage: Up to 1000 V; Operating voltage: 400 V alternating current; Frequency: 50 Hz.

Distribution breaker with residual current function, overload, short circuit and undervoltage protection.

Original manufacturer series photograph | CM6L

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Low voltage circuit breakers continued

Contents



CM6E

Electronic moulded case circuit breaker

Rated insulation voltage: 1000 V; Operating voltage: Up to 690 V alternating current; Frequency: 50 or 60 Hz.

Electronic breaker for infrequent switching and motor starting.

Original manufacturer series photograph | CM6E



CM6EL

Reclosing residual current circuit breaker

Source coding example: CM6EL-125MY/3P+N 125; Example frame current: 125 A; Example adjustable current: 50-125 A, from 0.4 × 125 A.

Residual current protection with automatic reclosing and remote control. Select protection and reclosing settings for the installation.

Original manufacturer series photograph | CM6EL

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Low voltage circuit breakers continued

Contents



CH6-63

Miniature circuit breaker

Frequency: 50 Hz; Operating voltage: 230 or 400 V alternating current; Rated current range: 1-63 A.

Overcurrent protection for lighting distribution using C characteristics and motor distribution using D characteristics.

Original manufacturer series photograph | CH6-63



CH6LE-63

Residual current breaker with overcurrent protection

Frequency: 50 Hz; Single phase operating voltage: 230 V; Three phase operating voltage: 400 V.

Low voltage residual current and overcurrent protection for buildings and similar installations.

Original manufacturer series photograph | CH6LE-63

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Photovoltaic circuit breakers

Contents



CW6G

Photovoltaic application air circuit breaker

Operating voltage: 400 or 690 V alternating current; Frequency: 50 Hz; Rated current range: 630-6300 A.

Air circuit breaker for the alternating current side of photovoltaic power distribution.

Original manufacturer series photograph | CW6G



CM6G

Photovoltaic direct current moulded case circuit breaker

Operating voltage range: 250-1500 V direct current; Rated current range: 63-800 A.

Direct current distribution breaker with overload long time delay and short circuit instantaneous protection, for power distribution and protection of cables and source equipment..

Original manufacturer series photograph | CM6G

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Isolation and transfer switching

Contents



CKHGL

Switch disconnector

Rated current range: 63-4000 A across 18 source sizes; Alternating current voltage: Up to 1000 V, 50 Hz; Direct current voltage: Up to 440 V.

Modular three or four pole switching and isolation series.

Original manufacturer series photograph | CKHGL



CAP6

Automatic transfer switch

Poles: 3 or 4; Source stated service life: More than 8000 operations; Switching positions: I - 0 - II.

Main to standby supply transfer with manual emergency, remote electrical and automatic control.

Original manufacturer series photograph | CAP6



CKH15

Switch disconnector fuse unit and disconnector

Operating voltage table: 380 or 660 V alternating current; Frame sizes: 63, 125, 160, 250, 400, 630, 800, 1000 A; Pole options in coding: 2, 3 or 4.

Manual isolation and fused switching for distribution and motor circuits with high prospective fault current, including drawout low voltage assemblies.

Original manufacturer series photograph | CKH15

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Isolation and transfer switching continued

Contents



CHR6

Fuse switch disconnector

Operating voltage: 400 or 1000 V alternating current; Frequency range: 45-62 Hz; Conventional thermal current: Up to 800 A.

Fuse switch disconnector for distribution and motor circuits, used as a supply, isolation or emergency switch and for circuit protection.

Original manufacturer series photograph | CHR6



HD13BX

Knife switch

Alternating current voltage table: 400 or 1000 V; duty specific; Frequency: 50 Hz; Current range in table: 100-3000 A.

Manual infrequent switching or isolation in low voltage assemblies.

Original manufacturer series photograph | HD13BX

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Surge and lightning protection

Contents



YH5WZ-17/45

Composite housed metal oxide surge arrester

Nominal discharge current in model: 5 kA; Arrester rated voltage in model: 17 kV; Maximum residual voltage in model: 45 kV at nominal discharge current.

Gapless metal oxide arrester series with a composite housing.

Original manufacturer series photograph | YH5WZ-17/45



CKL6

Surge protective device

System voltage: Up to 440 V alternating current; Maximum continuous operating voltage options: 275, 340, 385, 420, 440 V; Pole options: 1, 2, 3 or 4.

Surge protection for alternating current supply systems up to 440 V.

Original manufacturer series photograph | CKL6

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Motor control and protection

Contents



CKCPS

Control and protective switching device

Operating voltage: Up to 380 V alternating current; Frequency: 50 Hz; Main body rated current: 3-125 A.

Modular integrated device combining switching, starting, isolation and overcurrent protection.

Original manufacturer series photograph | CKCPS



CKJ6

Alternating current contactor

System voltage: Up to 690 V alternating current; Frequency: 50 or 60 Hz; Rated operating current: Up to 95 A at AC-3, 400 (380) V.

Remote switching and frequent starting or control of alternating current motors.

Original manufacturer series photograph | CKJ6



CKR6

Thermal overload relay

System voltage: Up to 690 V alternating current; Frequency: 50 or 60 Hz; Current range in narrative: 0.1-630 A.

Motor overload and phase loss protection; direct contactor or independent mounting.

Original manufacturer series photograph | CKR6

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Power quality and monitoring

Contents



CK860RF(RS)

Intelligent harmonic suppression capacitor compensation unit

Application network: 0.4 kV; Capacity coding: Total and first or second circuit capacity, kvar.

Integrated reactive power compensation for 0.4 kV low voltage distribution.

Original manufacturer series photograph | CK860RF(RS)



CKD6

Multifunction power meter

Measured quantities: Voltage, current, active and reactive power, frequency, power factor, energy; Configuration fields: Case size, display and added functions.

Three phase electrical measurement, energy monitoring, alarm and communication options.

Original manufacturer series photograph | CKD6



CKXL

Electrical fire current limiting protector

Single phase supply: 230 V alternating current; Three phase supply: 400 V alternating current; Single phase maximum current: 63 A.

Final and branch circuit current limiting, alarms and temperature or leakage monitoring.

Original manufacturer series photograph | CKXL

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Enquiry information

Send your requirement through www.honvax.com. Provide the application, manufacturer series or existing part reference, quantity and required delivery location.

What to specify	Details
System and load	Alternating or direct current; frequency; nominal and maximum voltage; number of phases; earthing arrangement; continuous current or motor power.
Fault and protection duty	Prospective fault current; required breaking, making and short time withstand duty; protection settings and selectivity; residual current and surge requirements.
Construction	Number of poles and neutral arrangement; fixed or withdrawable assembly; mounting; terminals; enclosure; operating mechanism; coil and control supply.
Site conditions	Indoor or outdoor; ambient temperature; altitude; humidity; pollution; corrosion and required protection degree.
Controls and documents	Control signals; communication; auxiliary contacts; drawings; test reports; installation instructions; applicable project standards and any required local approvals.

Selection information

Voltage and current ranges vary by frame, pole arrangement and breaking class. Alternating current and direct current ratings apply to their respective service duties.

For replacements, send clear nameplate and terminal photographs, mounting dimensions and the existing wiring diagram. For new assemblies, send the single line diagram and protection requirements.

HONVAX supports supplier enquiries, technical coordination and sourcing.

Abbreviations: AC = alternating current; DC = direct current; rms = root mean square; IP = ingress protection; RS485 = serial communication electrical interface; Modbus RTU = serial industrial communication protocol. A, V, Hz, kV, kA, kW, kvar and mm are engineering units.

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