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Data Sheet

August 13, 2026

KRAUS & NAIMER

Kraus & Naimer KG251 Disconnect Switch

Kraus and Naimer KG251 Rotary Cam Switch 250 A Size S2 The Kraus & Naimer KG251 is a size S2 rotary cam switch / switch-disconnector with rigid silver contact bridges and M12 bolt (ring-lug) terminals. Rated thermal current is 250 A (IEC uninterrupted current I_u/I_{th} 250 A at 50 °C with 55 °C peaks; UL/CSA thermal 250 A at 0-40 °C). Rated insulation voltage is 1000 V AC/DC (IEC) and 600 V AC (UL/CSA). IEC utilization includes AC-21A 250 A at 20-690 V, AC-22A 200 A at 220-500 V and 125 A at 660-690 V. Motor ratings include AC-23A 90 kW and AC-3 55 kW at 380-440 V three-phase. Short-time withstand I_{cw} is 4600 A for 1 s. Power loss 8 W per pole. Operating temperature -5 to 55 °C. The Kraus & Naimer KG251 is a size S2 rotary cam switch / switch-disconnector with rigid silver contact bridges and M12 bolt (ring-lug) terminals. Rated thermal current is 250 A (IEC uninterrupted current I_u/I_{th} 250 A at 50 °C with 55 °C peaks; UL/CSA thermal 250 A at 0-40 °C). Rated insulation voltage is 1000 V AC/DC (IEC) and 600 V AC (UL/CSA). IEC utilization includes AC-21A 250 A at 20-690 V, AC-22A 200 A at 220-500 V and 125 A at 660-690 V. Motor ratings include AC-23A 90 kW and AC-3 55 kW at 380-440 V three-phase. Short-time withstand I_{cw} is 4600 A for 1 s. Power loss 8 W per pole. Operating temperature -5 to 55 °C. Main and maintenance disconnect; motor and industrial panel isolation; AC-23A / AC-3 motor switch



MODEL

Kraus & Naimer KG251

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

KG251

LISTING

<https://aumictechlabs.com/products/kg251-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kraus & Naimer KG251 is a disconnect switch engineered for reliable isolation of electrical circuits in industrial settings. Rated for 250 A at 690 V nominal, it accommodates both 3-pole and 4-pole configurations and handles motor loads across utilization categories AC-3 and AC-23A. The switch provides forced opening and closing of main contacts, substantial creepage and clearance distances between terminals, and terminal shrouding on models rated 80 A to 250 A for simplified field wiring. Technical Specifications Rated Thermal Current: 250 A (I_{th} and I_{the}) Rated Uninterrupted Current: 250 A Nominal Voltage: 690 V Rated Insulation Voltage: 600 V AC Rated Impulse Withstand Voltage: 8 kV (Overvoltage Category III, Pollution Degree 3) Rated Short-Time Withstand Current: 4600 A for 1 second Maximum Fuse Rating: 250 A (gG characteristic) Power Loss per Pole: 8 W Poles: 3-pole and 4-pole models available Auxiliary Contacts: Optional 2NO/2NC configurations Rated Operational Current AC-20A: 250 A AC-21A: 250 A at 20–690 V AC-22A: 200 A at 220–500 V; 125 A at 660–690 V Motor Switching Power (AC-3 / AC-23A) AC-3: 37 kW to 75 kW depending on voltage and phase configuration AC-23A: 45 kW to 110 kW depending on voltage and phase configuration Key Features Forced contact operation for main contacts High dimensional clearance enabling straight-line terminal wiring Terminal shrouds supplied on 80 A–250 A models Screw or ring terminal options with specified torque requirements (16 Nm for M12) IP65 enclosure protection on panel-mount variants Typical Applications Main or maintenance isolation for machine tools Distribution panels and switchboards Motor load switching and starting circuits Mixed resistive and inductive load control Compatibility & Integration Valid for grounded common neutral termination supply systems. Ring cable lug dimensions: 25.00 mm and 34.00 mm terminals. Panel-mount configurations supported.

Features & description

From manufacturer datasheet

Features

- Size S2; 250 A thermal; M12 bolt terminals

KG251 Characteristics / Specifications

PARAMETER	VALUE
Model	KG251
Manufacturer	Kraus and Naimer
Instrument Type	Rotary Cam Switch / Switch Disconnecter
Series	KG
Alias	KG251; KG 251; Kraus Naimer KG251
Type Size	S2
Contact Classification	rigid contact bridge
Contact Material	silver
Terminal Classification	bolt terminal (ring type)
IEC Rated Insulation Voltage	1000 V AC/DC, 50/60 Hz
IEC Impulse Withstand	8 kV, overvoltage category III, pollution degree 3
IEC Uninterrupted Current	250 A at 50 C ambient with peaks to 55 C
IEC Enclosed Thermal Current	250 A at 35 C with peaks to 40 C
IEC AC20A Current	250 A at 1000 V
IEC AC21A Current	250 A at 20-690 V
IEC AC22A Current 220 to 500 V	200 A
IEC AC22A Current 660 to 690 V	125 A
AC3 Power 220 to 240 V	37 kW, 3 phase, 3 pole
AC3 Power 380 to 440 V	55 kW, 3 phase, 3 pole
AC3 Power 500 V	75 kW, 3 phase, 3 pole
AC3 Power 660 to 690 V	40 kW, 3 phase, 3 pole
AC23A Power 220 to 240 V	37 kW, 3 phase, 3 pole
AC23A Power 380 to 440 V	90 kW, 3 phase, 3 pole
AC23A Power 500 V	110 kW, 3 phase, 3 pole
AC23A Power 660 to 690 V	45 kW, 3 phase, 3 pole

PARAMETER	VALUE
IEC Fuse	gG, 250 A, 1 fuse
UL Insulation Voltage	600 Vac
UL Thermal Current	250 A at 0-40 C
CSA Insulation Voltage	600 Vac
CSA Thermal Current	250 A at 0-40 C
Short Time Withstand	4600 A for 1 s
Terminal Wrench	M12
Tightening Torque	16 Nm (140 lb-in)
Power Loss Per Pole	8 W
Operating Temperature	-5 to 55 C
Transport Storage	-40 to 85 C (no shock load below -5 C)
Standards	IEC 60947-3; EN 60947-3; VDE 0660 Teil 107; UL 60947-4-1; CSA C22.2 No. 60947-4-1; CSA C22.2 No.14; GB/T14048.3
Handle Size Catalog	S2 88 × 88 mm class with M12 lug
Ring Lug Dimension A	25.00 mm and 34.00 mm class (datasheet ring-lug drawing) Notes Specs from Kraus & Naimer KG251 English electrical datasheet and main-switch catalog (Ith 250 A, AC-23A 90 kW / AC-3 55 kW at 380-440 V, Icw 4600 A 1 s). Confirm pole count, handle, and enclosure IP with the installed extras.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	5 to 55 C.
Operating Temperature	5 to 55 C.
Model	KG251
Manufacturer	Kraus and Naimer
Instrument Type	Rotary Cam Switch / Switch Disconnecter
Series	KG
Alias	KG251; KG 251; Kraus Naimer KG251
Type Size	S2
Contact Classification	rigid contact bridge
Contact Material	silver
Terminal Classification	bolt terminal (ring type)
IEC Rated Insulation Voltage	1000 V AC/DC, 50/60 Hz
IEC Impulse Withstand	8 kV, overvoltage category III, pollution degree 3
IEC Uninterrupted Current	250 A at 50 C ambient with peaks to 55 C
IEC Enclosed Thermal Current	250 A at 35 C with peaks to 40 C
IEC AC20A Current	250 A at 1000 V
IEC AC21A Current	250 A at 20-690 V
IEC AC22A Current 220 to 500 V	200 A
IEC AC22A Current 660 to 690 V	125 A
AC3 Power 220 to 240 V	37 kW, 3 phase, 3 pole
AC3 Power 380 to 440 V	55 kW, 3 phase, 3 pole
AC3 Power 500 V	75 kW, 3 phase, 3 pole
AC3 Power 660 to 690 V	40 kW, 3 phase, 3 pole
AC23A Power 220 to 240 V	37 kW, 3 phase, 3 pole
AC23A Power 380 to 440 V	90 kW, 3 phase, 3 pole

PARAMETER	VALUE
AC23A Power 500 V	110 kW, 3 phase, 3 pole
AC23A Power 660 to 690 V	45 kW, 3 phase, 3 pole
IEC Fuse	gG, 250 A, 1 fuse
UL Insulation Voltage	600 Vac
UL Thermal Current	250 A at 0-40 C
CSA Insulation Voltage	600 Vac
CSA Thermal Current	250 A at 0-40 C
Short Time Withstand	4600 A for 1 s
Terminal Wrench	M12
Tightening Torque	16 Nm (140 lb-in)
Power Loss Per Pole	8 W
Transport Storage	-40 to 85 C (no shock load below -5 C)
Standards	IEC 60947-3; EN 60947-3; VDE 0660 Teil 107; UL 60947-4-1; CSA C22.2 No. 60947-4-1; CSA C22.2 No.14; GB/T14048.3
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	KG251
Manufacturer	Kraus and Naimer
Instrument Type	Rotary Cam Switch / Switch Disconnecter
Specifications	
PARAMETER	VALUE
Series	KG
Alias	KG251; KG 251; Kraus Naimer KG251
Type Size	S2
Specifications	
PARAMETER	VALUE
Contact Classification	rigid contact bridge
Contact Material	silver
Terminal Classification	bolt terminal (ring type)
Specifications	
PARAMETER	VALUE
IEC Rated Insulation Voltage	1000 V AC/DC, 50/60 Hz
IEC Impulse Withstand	8 kV, overvoltage category III, pollution degree 3
IEC Uninterrupted Current	250 A at 50 C ambient with peaks to 55 C
Specifications	
PARAMETER	VALUE
IEC Enclosed Thermal Current	250 A at 35 C with peaks to 40 C
IEC AC20A Current	250 A at 1000 V
IEC AC21A Current	250 A at 20-690 V

Specifications

PARAMETER	VALUE
IEC AC22A Current 220 to 500 V	200 A
IEC AC22A Current 660 to 690 V	125 A
AC3 Power 220 to 240 V	37 kW, 3 phase, 3 pole

Specifications

PARAMETER	VALUE
AC3 Power 380 to 440 V	55 kW, 3 phase, 3 pole
AC3 Power 500 V	75 kW, 3 phase, 3 pole
AC3 Power 660 to 690 V	40 kW, 3 phase, 3 pole

Specifications

PARAMETER	VALUE
AC23A Power 220 to 240 V	37 kW, 3 phase, 3 pole
AC23A Power 380 to 440 V	90 kW, 3 phase, 3 pole
AC23A Power 500 V	110 kW, 3 phase, 3 pole

Specifications

PARAMETER	VALUE
AC23A Power 660 to 690 V	45 kW, 3 phase, 3 pole
IEC Fuse	gG, 250 A, 1 fuse
UL Insulation Voltage	600 Vac

Specifications

PARAMETER	VALUE
UL Thermal Current	250 A at 0-40 C
CSA Insulation Voltage	600 Vac
CSA Thermal Current	250 A at 0-40 C

Specifications

PARAMETER	VALUE
Short Time Withstand	4600 A for 1 s
Terminal Wrench	M12
Tightening Torque	16 Nm (140 lb-in)

Specifications

PARAMETER	VALUE
Power Loss Per Pole	8 W
Operating Temperature	-5 to 55 C
Transport Storage	-40 to 85 C (no shock load below -5 C)

Specifications

PARAMETER	VALUE
Standards	IEC 60947-3; EN 60947-3; VDE 0660 Teil 107; UL 60947-4-1; CSA C22.2 No. 60947-4-1; CSA C22.2 No.14; GB/T14048.3
Handle Size Catalog	S2 88 x 88 mm class with M12 lug
Ring Lug Dimension A	25.00 mm and 34.00 mm class (datasheet ring-lug drawing)

Notes

Specs from Kraus & Naimer KG251 English electrical datasheet and main-switch catalog (Ith 250 A, AC-23A 90 kW / AC-3 55 kW at 380-440 V, Icw 4600 A 1 s). Confirm pole count, handle, and enclosure IP with the installed extras.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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NAICS 423690 · 811210 · 541380
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.