ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

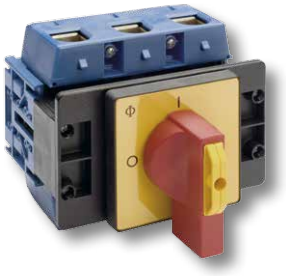
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

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Find the *Kraus & Naimer KG251* at our website: ***Click HERE***

## According to IEC 60947-3, EN 60947-3, VDE 0660 part 107



| | | | | | |
|---|---|---|---|---|---|
| **Rated Thermal Current $I_u/I_{th}/I_{the}$** | | | | | |
| | | | | A | 250 |
| **Rated Insulation Voltage $U_i$ [1]** | | | | | |
| | | | | V | 1000 |
| **Rated Impulse Withstand Voltage $U_{imp}$** | | | | | |
| | | | | kV | 8 |
| **Rated Operational Current $I_e$** | | | | | |
| AC-21A | Switching of resistive loads, including moderate overloads | | | A | 250 |
| AC-22A | Switching of combined resistive or low inductive loads including moderate overloads | | 220 V – 500 V<br>660 V – 690 V | A | 200<br>125 |
| **Rated Utilization Category** | | | | | |
| AC-3 | Direct-on-line starting | 3 phase, 3 pole | 220 V – 240 V<br>380 V – 440 V<br>500 V<br>660 V – 690 V | kW | 37<br>55<br>75<br>40 |
| AC-23A | Frequent switching of motors or other high inductive loads | 3 phase, 3 pole | 220 V – 240 V<br>380 V – 440 V<br>500 V<br>660 V – 690 V | kW | 37<br>90<br>110<br>45 |
| **Short Circuit Protection** | | | | | |
| Max. fuse size | gG-characteristic | | | A | 250 |
| Rated short-time withstand current | (1 s-current) | | | A | 4600 |
| **For connections with insulated ring and fork type cable terminal - copper wires only** | | | | | |
| | Single-core or stranded wire | | | $mm^2$ | 185 |
| | Flexible wire | | | $mm^2$ | 150 |
| | Flexible wire with sleeving in accordance with DIN 46228 | | | $mm^2$ | 120 |
| | **For connections with cable terminal or copper busbar:** | | | | |
| | Connecting screw | | | mm | M12x20 |
| | max. width | | | mm | 25 |
| | max. width with protective cover | | | mm | 34 |

[1] Valid for lines with grounded common neutral termination, overvoltage category III, Other values on request.

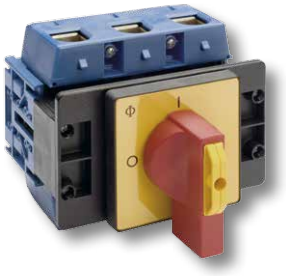
## Miscellaneous

| | | |
|---|---|---|
| Tightening torque of terminal screw: | 16 Nm (140 lb-in) | |
| Minimum Voltage: | on request | |
| Power loss per contact at $I_u$: | 8 W | |
| Resistance to vibration: | on request | |
| Resistance to shock: | on request | |
| Min. Ambient Temperature of Stages: | -5 °C | |
| Max. Ambient Temperature of Stages: | open at 100 % $I_u/I_{th}$ | 50 °C during 24 hours with peaks up to 55 °C |
| | enclosed at 100 % $I_{the}$ | 35 °C during 24 hours with peaks up to 40 °C |
| Storage temperature: | -40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible) | |

## Approbationen und Standards

IEC 60947
EN 60947

## USA / Canada



| | | | | | |
|---|---|---|---|---|---|
| **Rated Thermal Current $I_u/I_{th}/I_{the}$** | | | | | |
| | | | | A | 250 |
| **Rated Insulation Voltage $U_i$** | | | | | |
| | | | | V | 600 |
| **Rated Operational Current $I_e$** | | | | | |
| Pilot Duty | | | Heavy | VAC | A600 |
| Ampere Rating | Resistive or low inductive loads | ON/OFF | 600 V | A | 250 |
| **Max. Permissible Wire Gage - copper wires only** | | | | | |
| | Single-core or stranded wire | | | MCM | 350 |
| | Flexible wire: AWG wire (without sleeving) | | | MCM | 300 |
| **Ratings** | | | | | |
| | Standard motor load, DOL-Rating (similar AC-3) | 3 phase 3 pole | 110 V – 120 V<br>220 V – 240 V<br>440 V – 480 V<br>550 V – 600 V | HP | 30<br>60<br>75<br>75 |

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|---|---|---|
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## Approbationen und Standards

**IEC 60947**
**EN 60947**

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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