

K1066i Technical Data

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|---------------------------------|---|--|
| Voltage generators | | |
| Setting range | 7-phase AC (L-N) | 7 x 0 ... 300 V |
| | 1-phase AC (L-L) | 1 x 0 ... 600 V |
| Power | 7-phase AC (L-N) | 7 x 85VA, at 0 ... 300 V |
| | 1-phase AC (L-L) | 1 x 170VA, at 0 ... 600 V |
| Accuracy | <0.07% reading + 0.03% range guaranteed at 0-300V <0.04% reading + 0.01% range typical at 0-300V | |
| Resolution | 1mV | |
| Current generators | | |
| Setting range | 6-phase AC (L-N) | 6 x 0 ... 20 A |
| | 3-phase AC (L-N) | 3 x 0 ... 40 A (Group A II B) |
| | 1-phase AC (3L-N) | 1 x 0 ... 120 A (Group A II B), 2 x 0 ... 60 A |
| Power | 6-phase AC (L-N) | 6 x 150 VA ,at 0 ... 20A Max 250VA ,WITH THE OTHER CURRENT CHANNELS UNLOAD |
| | 3-phase AC (L-N) | 3 x 300VA, at 0 ... 40A (Group A II B) Max 450VA ,WITH THE OTHER CHANNELS UNLOAD |
| | 1-phase AC (3L-N) | 1 x 900 VA , (Group A II B), 2 x 450 VA |
| Accuracy | <0.14% reading + 0.06% range guaranteed at 0-40A <0.05% reading + 0.02% range typical at 0-40A | |
| Resolution | 1mA | |
| Generators, general | | |
| Frequency | Range | 0 ... 1000 Hz |
| | Accuracy / drift | Error < 0.0002Hz at 50Hz |
| | Resolution | 0.01Hz |
| Phase | Range | - 360° ... +360° |
| | Accuracy / drift | Error < 0.2 ° |
| | Resolution | 0.1° |
| Time | Range | 0 ... 999.999s |
| | Accuracy / drift | Error<0.1ms |
| | Resolution | 10µs |
| DC generators | | |
| Voltage ranges | 0 ... 300V/150VA | |
| Current ranges | 0 ... 20A/300W | |
| Accuracy | Error<0.2% | |
| Resolution | 1mA; 1 mV | |
| Aux DC Supply | | |
| Range | 0...250V/0.6A | |
| Binary inputs | | |
| Number | 8 pairs | |
| Compatible Voltage | 10V ... 250V | |
| Binary outputs | | |
| Number | 4 Pairs | |
| Capacity | 250V/2A | |
| Synchronization | | |
| Synchronization mode | GPS | |
| Power supply | | |
| Nominal input voltage | 220V±10% VAC, 1-phase | |
| Power | 1000VA | |
| Nominal frequency | 50±10% Hz | |
| Environmental conditions | | |
| Operation temperature | -2 0 ... 75 °C | |
| Humidity range | 5 ... 90 %, non-condensing | |
| Harmonic superpose times | 2 ... 20 | |
| Weight | 24 KG | |
| Dimensions | 420 (D) ×140 (W)×360 (H) mm | |
| PC Connection | RJ45 | |

Main examples of what K1066i can test:

| Items | IEEE(R) No. |
|---|-------------|
| Overcurrent relays | 50/76 |
| Inverse time overcurrent relays | 51 |
| Undercurrent relays | 37 |
| Ground fault relays | 50 |
| Directional overcurrent relays | 67 |
| Directional ground fault relays | 67N |
| Overvoltage relays | 59 |
| Undervoltage relays | 27 |
| Directional voltage relays | 91 |
| Directional power relays | 32 |
| Power factor relays | 55 |
| Differential protection (differential circuits) | 87 |
| Distance protection equipment (phase by phase) | 21 |
| Negative sequence overcurrent relays | 46N |
| Motor overload protection | 51/86 |
| Automatic reclosing devices | 79 |
| Tripping relays | 94 |
| Voltage regulating relays | |
| Overimpedance relays, $Z >$ | |
| Underimpedance relays, Z | |
| Time-delay relays | |