

UOTEK 48VDC Surge Protector



UT-40-48



1. Nominal working voltage: 48V DC
2. Maximum continuous working voltage: 85V DC
3. Leakage current: <15uA
4. Rated discharge impulse current $I_n(8/20)\mu s$: 20KA
5. Maximum discharge impulse current $I_{max}(8/20)\mu s$: 40KA
6. Protection level at $I_n(8/20)\mu s$: <350V
7. Response time t_a : <25ns



1.Overview

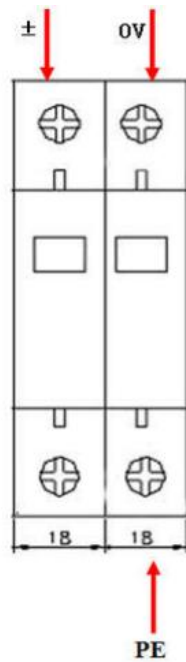
UT-40-48 DC surge protector is mainly used for C-level protection of DC power distribution system, which is used to protect electrical and electronic equipment from lightning electromagnetic pulse induced voltage, transient operation and resonance (< 100 μs) overvoltage. It is widely used for power protection in communication equipment, electrical appliances, power equipment, security monitoring, transportation, industrial control, aviation and other fields. This series of products has the characteristics of extremely fast response time, built-in thermal protection, low residual pressure, timely tripping, etc., and the flame retardant level reaches V-0 level, which prevents fire to the greatest extent and plays a role in safety protection.

2.Specification

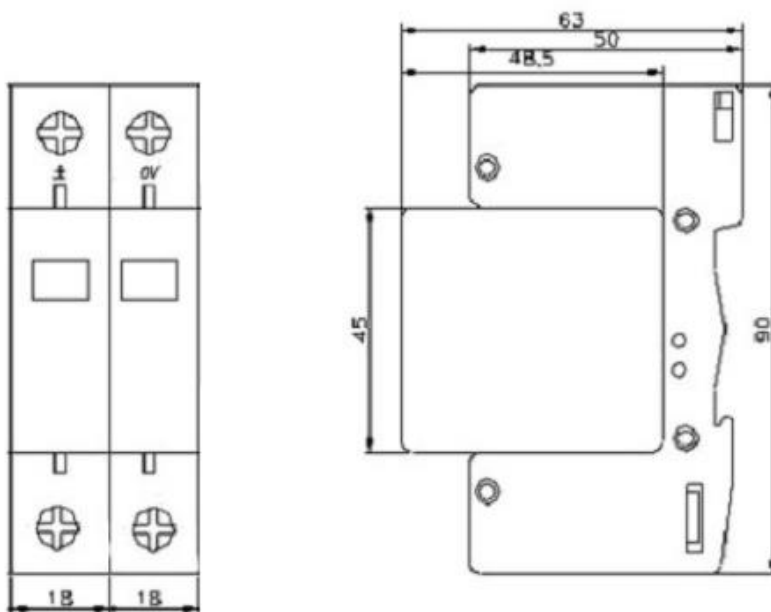
| Item | UT-40-48 |
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| Product Name | UOTEK DC surge protector |
| Hardware Specification | |
| Main Performance | |
| Operating voltage (U _n) | 48VDC |
| Maximum voltage (U _c) | 85VDC |
| Leakage current | <15uA |
| Rated discharge impulse current $I_n(8/20)\mu s$ | 20KA |
| Maximum discharge impulse current $I_{max}(8/20)\mu s$ | 40KA |
| Protection level (U _p) | <350V |
| Response time | <25ns |
| Response time(t_a) | <25ns |
| Remote signaling contact (optional) | |
| maximum allowable working voltage | 250VAC/125VDC |
| Remote signaling | NC is normally closed, COM is the common point, NO is normally open. |

| | |
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| alarm | |
| Max. allowable working current AC I _{MAX} AC (Ω/ind.) | 1A/1A |
| Maximum allowable working current, direct current I _{MAX} AC (Ω/ind.) | 0.2a/30ma |
| Temperature range | -40°C to +85°C |

3. Interface Definition



4. Dimension



5. Appearance



6. Ordering

| Model | Description |
|----------|-----------------------------|
| UT-40-48 | UOTEK 48VDC surge protector |