




Product Datasheet

Electrical Specifications

| | | |
|-----------------------|---|-------------|
| Connection type |  | Shunt |
| Modes of protection |  | L-L, L-PE |
| Number of ports | | 1 |
| Location | | Indoor |
| Nominal voltage | U_0 | 48VAC/VDC |
| Maximum backup fuse |  | 32A |
| Recommended SCB | | SCB1-3-80 |
| Earth leakage current | I_{PE} | <10 μ A |

Electrical (L-L) Specifications

| | | |
|---|-----------|-------|
| Maximum continuous voltage AC | U_c | 50VAC |
| Maximum continuous voltage DC | U_c | 70VDC |
| Maximum discharge current (8/20 μ s) | I_{max} | 40kA |
| Nominal discharge current (8/20 μ s) | I_n | 20kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <200V |
| Response time | t_A | <5ns |
















Electrical (L-PE) Specifications

| | | |
|---|-----------|-------|
| Maximum discharge current (8/20 μ s) | I_{max} | 20kA |
| Nominal discharge current (8/20 μ s) | I_n | 10kA |
| Total current | | 40kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <280V |
| Voltage protection level (1kV/ μ s) | U_p | <155V |
| Response time | t_A | <5ns |

Indication Specifications

| | | |
|-----------------|---|-------------------------------|
| Display |  | LED power and thermal failure |
| Alarm |  | Passive alarm |
| Alarm isolation |  | 4kV |

Mechanical Specifications

| | | |
|--------------------------------|---|--------------------|
| Minimum operating temperature |  | -40°C |
| Maximum operating temperature |  | 70°C |
| Minimum operating humidity |  | 5% |
| Maximum operating humidity |  | 95% |
| Mounting method |  | TS35 DIN Rail |
| Environmental rating |  | IP20 |
| Enclosure material |  | Aluminium |
| Enclosure finish |  | Black powdercoat |
| Terminal capacity - power |  | 16mm ² |
| Terminal screw torque - power |  | 2Nm |
| Terminal capacity - alarms |  | 2.5mm ² |
| Terminal screw torque - alarms |  | 0.5Nm |
| Length |  | 95mm |
| Width |  | 36mm |
| Height |  | 70mm |

Other Specifications

| | | |
|--------------|---|------------|
| Product Code |  | IDD2-40-50 |
|--------------|---|------------|

Shipping Specifications

| | | |
|----------------|---|--------------------|
| Weight |  | 215g |
| Customs tariff |  | 85363000, 85363010 |