

BY1-B Series Surge Protect Device for Power Distribution System



BY1-B/4-385-30



BY1-C/2-320-20



BY1-C/2+1-320-2D



BY1-D/4-320-5

Technical data

| Type | | BY1-D/1 | BY1-D/1 | BY1-D/1 | BY1-D/2 | BY1-D/3 | BY1-D/4 |
|--------------------------------------|---------|-------------|---------|---------|---------|---------|---------|
| Rating Voltage Un(V~) | | 75 | 110 | 220 | 220 | 380 | 380 |
| DC Voltage U1 mA (V~) | | 120 | 200 | 510 | 510 | 630 | 630 |
| Max. Working | Uc~ | 75 | 130 | 320 | 320 | 420 | 420 |
| | Uc~ | 100 | 170 | 415 | 415 | 560 | 560 |
| Max. available | Is=1KA | 0.24 | 0.39 | 0.9 | 0.9 | 1.2 | 1.2 |
| | Is=5KA | 0.3 | 0.45 | 1.0 | 1.0 | 1.5 | 1.5 |
| | Is=10KA | 0.35 | 0.5 | 1.0 | 1.0 | 1.7 | 1.7 |
| Clamping current I _{sn} (8/ | | 5 | | | | | |
| Max.Clamping current I _{sn} | | 10 | | | | | |
| Response time t(ns) | | <25 | | | | | |
| Energy(2000 μ s)(A) | | 200A | | | | | |
| Temperature | | -40°C~+80°C | | | | | |
| Color | Module | Grey | | | | | |
| | Base | Grey | | | | | |
| Material of case | | Nylon | | | | | |

Specifications

| Type | | BY1-C/1 | BY1-C/2 | BY1-C/3 | BY1-C/4 | BY1-B/4 | |
|--|---------|-------------|---------|---------|---------|---------|--|
| Rating Voltage Un(V~) | | 220 | 220 | 380 | 380 | 380 | |
| DC Voltage U1 mA (V~) | | 510 | 510 | 680 | 680 | 510 | |
| Max. Working | Uc~ | 320 | 320 | 420 | 420 | 320 | |
| | Uc~ | 415 | 415 | 560 | 560 | 415 | |
| Max. available | Is=1KA | 0.9 | 0.9 | 1.2 | 1.2 | 1.0 | |
| | Is=5KA | 1.0 | 1.0 | 1.5 | 1.5 | 1.1 | |
| | Is=10KA | 1.2 | 1.2 | 1.7 | 1.7 | 1.3 | |
| | Is=15KA | 1.3 | 1.3 | 1.8 | 1.8 | 1.4 | |
| | Is=20KA | 1.4 | 1.4 | 1.9 | 1.9 | | |
| | Is=30KA | | | | | 1.9 | |
| | Is=40KA | | | 2.6 | 2.6 | | |
| Clamping current I _{sn} (8/ 20 | | 20 | | | | 30 | |
| Max.Clamping current I _{sn} (8/ | | 40 | | | | 60 | |
| Response time t(ns) | | 25 | | | | | |
| Energy(2000 μ s)(A) | | 200 | | | | | |
| Temperature | | -40°C~+80°C | | | | | |
| Color | Model | Grey | | | | Orange | |
| | Base | Grey | | | | | |
| Material of case | | Nylon | | | | | |