



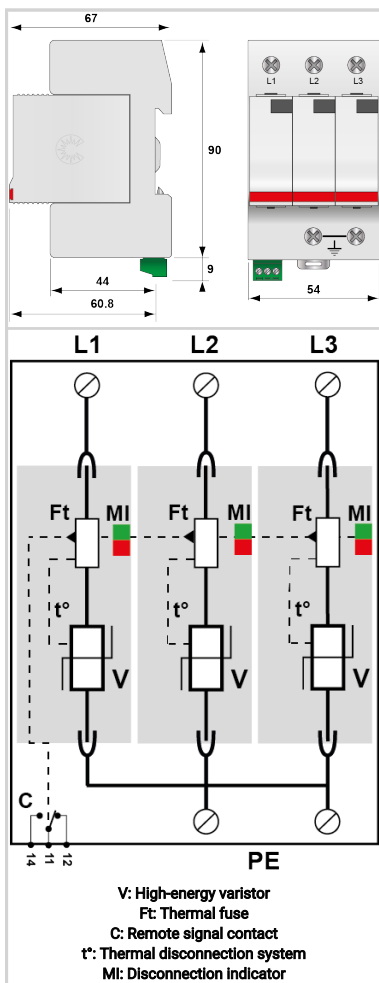
CITEL

UL LISTED TYPE 1 SPD - I_{max} 40kA - I_n 20kA - Module

DS43S-690



- ▶ Multi-MOV Technology
- ▶ UL1449 Type 1 LISTED
- ▶ 40kA Surge Current Rating per module
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



| Electrical Characteristics | | |
|--------------------------------------------------------------------------|------------------------|-------------------------|
| Network | | 400/690 Vac 3-phase |
| Nominal line voltage | U _n | 690 Vac |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I _{max} | 40 kA |
| Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i> | I _{max} Total | 120 kA |
| Connection mode(s) | | L/PE |
| Protection mode(s) | | Common mode |
| POWER SPD TYPE | | UL1449 TYPE 1 LISTED |
| AC/DC/DC PV/RF | | AC |
| PHASE | (PH) | 3Y |
| AMPS | (A) | N/A |
| AMBIENT MIN | (C) | -40 |
| AMBIENT MAX | (C) | +85 |
| MODES | | L-L, L-G |
| VPR | (V) | 4000/2000 |
| MCOV | (V) | 1500/750 |
| IN | (kA) | 20 |
| <i>15 impulses 8/20μs</i> | | |
| SCCR | (kA) | n/a |
| IMAX <i>8/20μs</i> | (kA) | 40 |
| limp <i>10/350μs</i> | (kA) | 4 |
| Option | | |
| Remote status dry contact electrical rating | Max Voltage | V 250.0000 |
| Remote status dry contact electrical rating | Max Current | A 0.5000 |
| RFI Filter | | no |
| Installation | | |
| Wiring type | | Screw |
| Solid wire cross section | Min | mm ² 2.5000 |
| Solid Wire cross section | Max | mm ² 35.0000 |
| Stranded Wire cross section | Min | mm ² 2.5000 |
| Stranded wire cross section | Max | mm ² 25.0000 |
| Wire gauge | Min | AWG 13.0000 |
| Wire gauge | Max | AWG 2.0000 |
| Torque | | Nm 2.0 - 2.5 |
| Torque | in-lbs | 17.8 - 22.1 |
| Strip Length | mm | 13.0000 |
| Strip Length | in | 0.5000 |
| Operating Temperature | Min | °C -40.0000 |
| Operating Temperature | Max | °C 85.0000 |
| Operating Temperature | Min | °F -40.0000 |
| Operating Temperature | Max | °F 85.0000 |
| Operating Relative Humidity | Max | %RH 95 |
| Operating Altitude | Min | Ft 2000.0000 |
| Operating Altitude | Max | Ft 6500.0000 |
| Housing/Enclosure material | | Thermoplastic |
| Flammability rating | UL 94 | V0 |
| Mounting | | Din Rail |
| IP Environmental rating | IP | IP20 |
| NEMA Environmental rating | NEMA | NEMA 2 |
| Installation Location | | Indoor |
| Spare part | | Module |
| Product Dimension | L | mm 99.0000 |



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DS43S-690

| | | |
|--------------------------------------|-----|----------------------------------------------------|
| Product Dimension <i>H</i> | mm | 67.0000 |
| Product Dimension <i>W</i> | mm | 54.0000 |
| Miscellaneous | | |
| Individual Pack | | Yes |
| Storage Temperature <i>Min</i> | °C | -40.0000 |
| Storage Temperature <i>Max</i> | °C | 85.0000 |
| Storage Relative Humidity <i>Max</i> | %RH | 95.0000 |
| Mechanical Characteristics | | |
| Technology | | MOV |
| Connection to Network | | By screw terminals: 2.5-25mm ² / by bus |
| Format | | Plug-in modular box |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from AC network |
| TECHNOLOGY | | MOV |
| NETWORK CONFIGURATION | | 3PH, 3W+G, Delta |
| CONNECTION METHOD | | SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG |
| MOUNTING | | Din Rail |
| MATERIAL | | Thermoplastic UL94-V0 |
| NEMA RATING (IP RATING) | | NEMA 2 (IP20) |
| FAIL-SAFE BEHAVIOR | | Disconnection via fuse-link |
| REAL-TIME DIAGNOSTICS | | Visual indicator and remote contacts |
| DIMENSIONS | | See diagram |
| WEIGHT | | 0.90 lbs |
| SPARE PART | | DSM40-400 |
| Standards | | |
| Certification | | UL listed / TUV Süd |
| UL STANDARD | | UL1449 5th Edition |
| UL CATEGORY | | VZCA2, VZCA8 |
| UL FILE NUMBER | | E326289 |
| STANDARDS | | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| ENVIRONMENTAL STANDARDS | | ROHS |
| Part number | | |
| 461823 | | |

