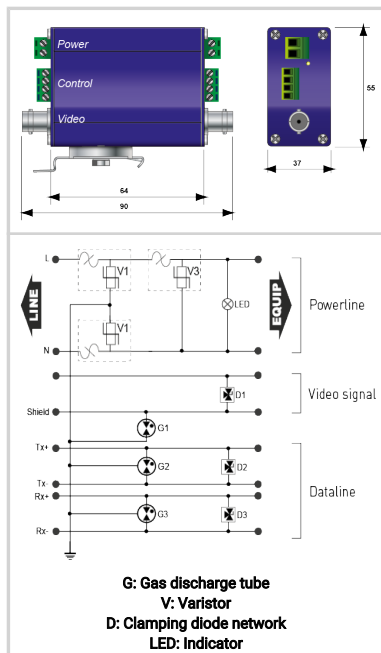




# CITEL



## MSP-VM230-2P



| Electrical Characteristics                                                                 |        |                                          |
|--------------------------------------------------------------------------------------------|--------|------------------------------------------|
| Network                                                                                    |        | 230/400V                                 |
| AC system                                                                                  |        | TT-TN                                    |
| Max. DC operating voltage                                                                  | Uc     | 255 Vdc                                  |
| Max. frequency                                                                             | f max. | 16 MHz                                   |
| Insertion loss                                                                             |        | < 0.1 dB                                 |
| Max. load current @25°C                                                                    | IL     | 300 mA                                   |
| Max. load current @25°C                                                                    | IL     | 5 A                                      |
| Nominal discharge current<br><i>15 x 8/20 µs impulses</i>                                  | In     | 5 kA                                     |
| Max. discharge current<br><i>max. withstand @ 8/20 µs by pole</i>                          | Imax   | 10 kA                                    |
| Withstand on Combination waveform IEC 61643-11<br><i>Class III test: 1.2/50µs - 8/20µs</i> | Uoc    | 10 kV / 5 kA                             |
| Protection mode(s)                                                                         |        | Common/Differential mode                 |
| Protection level<br><i>@ In (8/20µs)</i>                                                   | Up     | 1.2 kV                                   |
| Protection Level<br><i>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)</i>          | Up     | 20 V                                     |
| Protection Level<br><i>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)</i>         | Up     | 20 V                                     |
| ELEC                                                                                       |        |                                          |
| Network                                                                                    |        | Signal video                             |
| ELEC                                                                                       |        |                                          |
| Max. DC operating voltage                                                                  | Uc     | 6 Vdc                                    |
| ELEC                                                                                       |        |                                          |
| Max. frequency                                                                             | f max. | 100 Mhz                                  |
| ELEC                                                                                       |        |                                          |
| Insertion loss                                                                             |        | < 1dB                                    |
| ELEC                                                                                       |        |                                          |
| Protection level @ In (8/20µs)                                                             | Up     | 20 V                                     |
| ELEC                                                                                       |        |                                          |
| Network                                                                                    |        | 2 pairs signal 0-5 V                     |
| ELEC                                                                                       |        |                                          |
| Max. DC operating voltage                                                                  | Uc     | 8 Vdc                                    |
| ELEC                                                                                       |        |                                          |
| Max. frequency                                                                             | f max. | 16 Mhz                                   |
| ELEC                                                                                       |        |                                          |
| Insertion loss                                                                             |        | < 1dB                                    |
| ELEC                                                                                       |        |                                          |
| Nominal discharge current <i>15 x 8/20 µs impulses</i>                                     | In     | 2.5 kA                                   |
| ELEC                                                                                       |        |                                          |
| Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>                             | Imax   | 5 kA                                     |
| ELEC                                                                                       |        |                                          |
| Protection level @ In (8/20µs)                                                             | Up     | 20 V                                     |
| Mechanical Characteristics                                                                 |        |                                          |
| Technology                                                                                 |        | MOV+GDT                                  |
| Connection to Network                                                                      |        | By screw terminals: 2.5mm² max.          |
| Format                                                                                     |        | DIN rail or flange                       |
| Mounting                                                                                   |        | DIN rail or plate (flange)               |
| Housing material                                                                           |        | Anodized aluminum                        |
| Operating temperature                                                                      | Tu     | -40/+85°C                                |
| Protection rating                                                                          |        | IP20                                     |
| Failsafe mode                                                                              |        | Green LED OFF and line cut-off           |
| Disconnection indicator                                                                    |        | LED green OFF and AC network cut-off     |
| Dimensions                                                                                 |        | See diagram                              |
| Standards                                                                                  |        |                                          |
| Standards compliance                                                                       |        | IEC 61643-21 / EN 61643-21 / UL1449 ed.5 |
| Part number                                                                                |        |                                          |
| 420431                                                                                     |        |                                          |

