

## Type: DN-05/0420-2G

Surge protective devices with plug-in protection modules for high-frequency signal transmission systems against surges at the boundaries from lightning protection zone 0B>2.

### Terminal Block Modules series

- Data network protector in according with IEC61643-21.
- Two parts design, surge protection modules to be exchanged easily.
- Limit the transients with gas discharge tubes and diodes.
- Two-stage protection circuit.
- 35 mm DIN-rail mounting design.

### Selection table:

DN-05/XXXX-2G

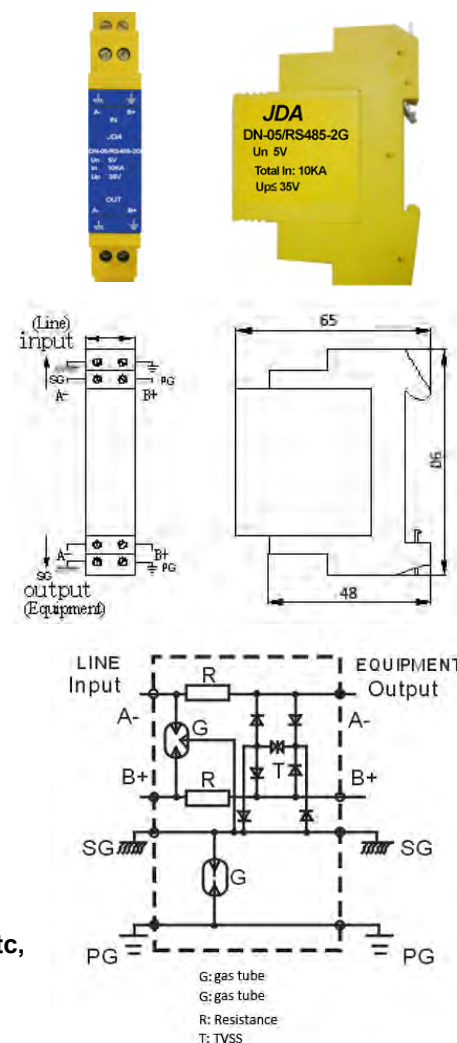
05--nominal voltage 5V, 12V, 24V, 48V

xxxx--module type, RS232, RS422, RS423, RS485, 0/4-20ma, 0-5V, 0-10V

2G (or 2G)

name part number such as,

- 1) DN module with no signal ground: DN-24/G
- 2) DN module with signal ground and earth ground: DN-24/2G
- 3) use in application of RS232, RS422, RS423, RS485, 0/4-20ma, 0-5V, 0-10V etc,  
----DN module with no signal ground: DN-24/RS485-G  
----DN module with signal ground and earth ground: DN-24/RS485-2G



### Technical Data

|                                                              |                                                   |
|--------------------------------------------------------------|---------------------------------------------------|
| Model No.                                                    | DN-05/xxxxx-2G                                    |
| Appliance                                                    | xxxxx:RS232,RS422,RS423,RS485,0/4-20mA,0-5V,0-10V |
| Configuration                                                | twisted pair + shield                             |
| Nominal line voltage (Un)                                    | 5V                                                |
| Max line voltage                                             | 8V                                                |
| Max line current                                             | 300mA                                             |
| Nominal Discharge Current (8/20μs,KA)<br>In 10 times         | 10kA                                              |
| Total Max. Discharge Current<br>(8/20μs,KA) Imax 1 time      | 20kA                                              |
| Impulse current (Iimp) (10/350us KA)<br>impulse 2 times      | 5kA                                               |
| Nominal Current (A) IL                                       | 0.5A                                              |
| Protection level Up( clamping voltage)<br>8/20us impulse-5KA | 35V                                               |
| Cat.B(@3KA)                                                  | ≤75V                                              |
| Series impedance per line (Ohm)                              | 2.2 Ohm                                           |
| Insertion loss at 10MHz (dB)                                 | ≤3.0                                              |
| Degree of protection                                         | IP20                                              |
| Mounting on                                                  | 35 mm DIN-rail                                    |
| Enclosure Material                                           | UL94 V0                                           |
| Environment Temperature (°C)                                 | - 40~+80                                          |