Hz in Hearts


## KO-4GN (F/F)

- Designed for protection of equipment connected to an aerial system by means of coaxial cables.
- The products consist of gas discharge tube with high discharge ability, thanks to which ensure a reliable protection of the receiving and transmitting systems even against a lightning stroke nearby.

- Wide range or products, various connector types and transmission power grades.
- Recommended for use in the Lightning Protection Zones at the boundaries of LPZ 0 - LPZ 1 and higher.

| Type |  | KO-4GN (F/F) |
| :---: | :---: | :---: |
| Testing category according to IEC 61643-21:2000 and EN 61643-21:2001 |  | C1, C2, C3, D1 |
| Connector type |  | N |
| Maximum continuous operating voltage DC | $\mathrm{U}_{\mathrm{C}}$ | 350 V |
| Rated load current | $I_{L}$ | 5 A |
| C2 Nominal discharge current (8/20) | $\mathrm{I}_{\mathrm{n}}$ | 5 kA |
| C3 Voltage protection level at $1 \mathrm{kV} / \mu \mathrm{s}$ | $\mathrm{U}_{\mathrm{p}}$ | < 850 V |
| D1 Impulse discharge current (10/350) | $\mathrm{I}_{\text {imp }}$ | 2 kA |
| Maximum discharge current (8/20) | $I_{\text {max }}$ | 10 kA |
| Frequency bandwidth | B | $0 \div 3 \mathrm{GHz}$ |
| Max. transmission power capacity |  | 400 W |
| Insertion loss |  | $<0.65 \mathrm{~dB}$ |
| Return loss |  | $>20 \mathrm{~dB}$ |
| Characteristic impedance |  | $50 \Omega$ |
| Degree of protection |  | IP65 |
| Operating temperature | $\vartheta$ | $-30 \div 70{ }^{\circ} \mathrm{C}$ |
| Designed according to standards |  |  |
| Requirements and test methods for SPDs connected to telecommunications and signalling networks |  | IEC 61643-21:2000 |
| Application standards |  |  |
| Protection against lightning |  | IEC 62305:2010 |
| Ordering, packaging and additional data |  |  |
| Mass | m | 134 g |
| Mass (including the packaging) | m | 148 g |
| Packaging dimensions ( $\mathrm{H} \times \mathrm{W} \times \mathrm{D}$ ) |  | $45 \times 102 \times 74 \mathrm{~mm}$ |
| Packaging value | V | $0.34 \mathrm{dm}^{3}$ |
| Customs tariff no. |  | 85363010 |
| EAN code |  | 8590681550205 |
| Art. number |  | 55020 |

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The link in the QR code leads to the online presentation of the KO - 4GN (F/F).
There, in addition to the always up-to-date data sheet, you will also find all diagrams and drawings, declarations of conformity, or 2D or 3D models and other necessary materials. For more information, visit www.hakel.com

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