| DC spark-over voltage ${ }^{\text {1)2) 4) }}$ | $\begin{gathered} 230 \\ \pm 20 \end{gathered}$ | $\begin{aligned} & \mathrm{V} \\ & \% \end{aligned}$ |
| :---: | :---: | :---: |
| Impulse spark-over voltage ${ }^{4)}$  <br> at $100 \mathrm{~V} / \mu \mathrm{s}$ - for $99 \%$ of measured values <br>  - typical values of distribution <br> at $1 \mathrm{kV} / \mu \mathrm{s}$ - for $99 \%$ of measured values <br>  | $\begin{aligned} & <600 \\ & <500 \\ & <700 \\ & <600 \end{aligned}$ | $\begin{aligned} & \mathrm{V} \\ & \mathrm{~V} \\ & \mathrm{~V} \\ & \mathrm{~V} \end{aligned}$ |
| Service life  <br> 10 operations $50 \mathrm{~Hz}, 1 \mathrm{~s}^{5)}$ <br> 10 operations $8 / 20 \mu \mathrm{~s}^{5)}$ | $\begin{aligned} & 10 \\ & 10 \end{aligned}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{kA} \end{aligned}$ |
| Insulation resistance at $100 \mathrm{~V}_{\mathrm{dc}}{ }^{4}$ | > 1 | G $\Omega$ |
| Capacitance at $1 \mathrm{MHz}{ }^{4)}$ | < 1.5 | pF |
| Transverse delay time ${ }^{3)}$ | <0.2 | $\mu \mathrm{s}$ |
| Arc voltage at 1 A Glow to arc transition current Glow voltage | $\begin{aligned} & \sim 10 \\ & \sim 1 \\ & \sim 80 \end{aligned}$ | $\begin{aligned} & \mathrm{V} \\ & \mathrm{~A} \\ & \mathrm{~V} \end{aligned}$ |
| Weight | ~ 1.4 | $g$ |
| Storage temperature | -40 ... +90 | ${ }^{\circ} \mathrm{C}$ |
| Climatic category (IEC 60068-1) | 40/90/ 21 |  |
| Marking, blue | EPCOS <br> EK 230 YY O <br> EK - Series <br> 230 - Nominal voltage <br> YY - Year of production <br> O - Non radioactive |  |

At delivery AQL 0.65 level II, DIN ISO 2859
In ionized mode
Test according to ITU-T Rec. K. 12
${ }^{4)}$ Tip or ring electrode to center electrode
5) Total current through center electrode, half value through tip respectively ring electrode.
Terms in accordance with ITU-T Rec. K. 12 and DIN 57845/VDE0845

Surge Arrester
EK4-A230XF1
3-Electrode-Arrester


Not to scale
Dimensions in mm
wires tin-plated


Non controlled document

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