

IEC Inlet-Filter FN 9274 for medical applications

The internationally leading company in the field of electromagnetic compatibility extends the range of filters for medical applications

The new FN9274 filter family is specially tailored to the needs of medical technology. Particularly high patient protection can be achieved:

The so-called *Two MOPP* requirement (Means of Patient Protection) according to IEC / EN 60601-1 is achieved without any additional design measures. With the *Two MOPP* certification, if one safety level fails, a second one remains effective and patient protection is maintained.

The filter series does not require an earth connection. Therefore, the connector version without ground pin (C17 / C18 according to IEC 60320) is used.

The new filter FN9274 is versatile. It can be configured in 6 different versions:

On the front side, the user can choose from three different mounting options: screw mounting from the outside or inside, as well as a snap-in version for quick assembly. On the back side, the user has the choice between fast-on connectors and wire leads.

Other Filter series from the existing portfolio are also used successfully in medical environments. The «B» versions come without leakage current to earth and thus increase safety in critical environments. The new FN9274 series now extends the portfolio to include the "Two MOPP" requirement.

Serie	Performance	Performance Indicator	Patient safety Indicator
FN9222	Standard	●	● ●
FN9233	High	● ●	● ●
FN9244	Excellent	● ● ●	● ●
FN9255	Dual-Stage EMC	● ●	● ●
FN9274 (NEW)	High	● ●	● ● ● ●

● ● No leakage version (z.B.: FN9222B-1-06); ● ● ● ● TWO MOPP

Typical applications are to be found in intensive care environments or audio/video equipment.

All new filters are designed for a maximum continuous operating voltage of 250VAC, 50 / 60Hz and for nominal currents up to 15A. They have worldwide approvals in accordance with ENEC, CQC, UL and CSA and meet the requirements for RoHS and REACH regulation.

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