NEWS **M1515**

To:	Owner Sales Manual	Category:	Product news
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FRM-A and DRM-A

An optimised unit for demanding requirements

- Designed and optimised for Avionics applications
- FRM-A: Ultra-compact, light and made for harsh environmental conditions
- DRM-A: Whisker-free ceramic fuse with fast tripping characteristics

Product

Very small, light and robust: These are increasingly important requirements of the Avionics industry for the components of their suppliers. SCHURTER addresses this need with the FRM-A and DRM-A fuse holder/fuse combination.

Minimized dimensions and low weight of Avionics components, their reliability and efficient maintainability are elementary requirements to keep operating costs low. The pressure to reduce the carbon footprint and operate sustainable aircraft fleets is driving the industry. SCHURTER addresses this need with the most compact and robust Avionics qualified fuse holder on the market, the FRM-A, and the matching SMT fuse DRM-A with a fast-tripping characteristic.

FRM-A: ultra-compact and powerful

It is particularly the modest dimensions that make the SCHURTER FRM-A closed fuse holder a great one. Not only is it the most compact in its class, but it also shines with its enormous robustness and IP67 protection. Successful vibration, shock and salt mist tests confirm this in an impressive manner. The FRM-A has been developed exclusively for the SMT ceramic fuse DRM-A.

DRM-A: using gold against whisker

Tin whiskers represent a risk for short circuits in electronics. The underlying physical process has not yet been fully identified. However, the problem has always been circumvented by adding lead. But lead is often an undesirable element (RoHS guidelines). The DRM-A therefore completely dispenses with a lead-containing coating and relies on gold in its place. Gold-plated end caps offer no surface for whiskers to attack. The DRM-A, which was developed specifically for Avionics applications, is suitable wherever the highest demands are made on reliability and robustness. But this does not necessarily have to be at an altitude of 50,000 feet and installed in the FRM-A. Thanks to its design, it is also ideally suited for industrial and telecom applications.

Availability and Samples

An initial stock is available for all articles in the table of variants on the **Data Sheet FRM-A [1]** and the **Data Sheet DRM-A [2]**. More information about available stock of a specific variant may be retrieved by using the Distributor Stock Check in the table of variants on the **Data Sheet FRM-A [1]** and the **Data Sheet DRM-A [2]**.

Additional Information

The **Product Training [3]** provides additional background information about the advantages, USPs and many uses of the product. The **Data Sheet FRM-A [1]** and the **Data Sheet DRM-A [2]** contain detailed information about the technical specifications, order numbers as well as CAD data and approval information. The PR texts, pictures as well as adverts in English and German are available on the Digital Asset Management server **DAM [3]**.

Please do not hesitate to contact us, should you have any questions.

Best regards,

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Sales Information Links

[1] Data Sheet FRM-A https://www.schurter.com/en/datasheet/FRM-A
[2] Data Sheet DRM-A https://www.schurter.com/en/datasheet/DRM-A
[3] SCHURTER DAM https://dam.schurter.com/web/6f932ec322bccc0e/launch-frm-a--drm-a/?viewType=grid

New Part Numbers

Part no.	Description	Configuration Code
3-133-483	FRM-A Fuseholder 3x10	FRMA-111-1-0
3-133-471	DRM-A Fuse F 8A (Gold)	DRMA-0310-8A000-SMD-0F-AU-00
3-133-472	DRM-A Fuse F 8A (Gold)	DRMA-0310-8A000-SMD-0F-AU-00
3-133-729	DRM-A Fuse F 6.3A (Gold)	DRMA-0310-6A300-SMD-0F-AU-00
3-133-730	DRM-A Fuse F 6.3A (Gold)	DRMA-0310-6A300-SMD-0F-AU-00
3-133-731	DRM-A Fuse F 5A (Gold)	DRMA-0310-5A000-SMD-0F-AU-00
3-133-742	DRM-A Fuse F 5A (Gold)	DRMA-0310-5A000-SMD-0F-AU-00
3-133-743	DRM-A Fuse F 4A (Gold)	DRMA-0310-4A000-SMD-0F-AU-00
3-133-744	DRM-A Fuse F 4A (Gold)	DRMA-0310-4A000-SMD-0F-AU-00
3-133-745	DRM-A Fuse F 3A (Gold)	DRMA-0310-3A000-SMD-0F-AU-00
3-133-746	DRM-A Fuse F 3A (Gold)	DRMA-0310-3A000-SMD-0F-AU-00
3-133-747	DRM-A Fuse F 2.5A (Gold)	DRMA-0310-2A500-SMD-0F-AU-00
3-133-748	DRM-A Fuse F 2.5A (Gold)	DRMA-0310-2A500-SMD-0F-AU-00
3-133-749	DRM-A Fuse F 2A (Gold)	DRMA-0310-2A000-SMD-0F-AU-00
3-133-750	DRM-A Fuse F 2A (Gold)	DRMA-0310-2A000-SMD-0F-AU-00
3-133-751	DRM-A Fuse F 1.5A (Gold)	DRMA-0310-1A500-SMD-0F-AU-00
3-133-752	DRM-A Fuse F 1.5A (Gold)	DRMA-0310-1A500-SMD-0F-AU-00
3-133-753	DRM-A Fuse F 1A (Gold)	DRMA-0310-1A000-SMD-0F-AU-00
3-133-754	DRM-A Fuse F 1A (Gold)	DRMA-0310-1A000-SMD-0F-AU-00
3-133-755	DRM-A Fuse F 750mA (Gold)	DRMA-0310-0A750-SMD-0F-AU-00
3-133-756	DRM-A Fuse F 750mA (Gold)	DRMA-0310-0A750-SMD-0F-AU-00
3-133-757	DRM-A Fuse F 630mA (Gold)	DRMA-0310-0A630-SMD-0F-AU-00
3-133-758	DRM-A Fuse F 630mA (Gold)	DRMA-0310-0A630-SMD-0F-AU-00
3-133-762	DRM-A Fuse F 500mA (Gold)	DRMA-0310-0A500-SMD-0F-AU-00
3-133-763	DRM-A Fuse F 500mA (Gold)	DRMA-0310-0A500-SMD-0F-AU-00