

# DRM95-20A DATASHEET



To be installed by a licensed electrician only.



The DRM95-20A is a combination of an AC Mains Filter and Surge protector to help provide clean and protected power to an entire circuit.

## AC MAINS FILTER

The DRM95 series features our Dynamic Active Tracking filtration to assist in removing even more unwanted frequencies that can be missed with a traditional filter.

## SURGE PROTECTION

The DRM95 features Surge protection across all 3 modes (L-N, L-PE, N-PE ) to create a better level of protection.

## EASY INSTALLATION

The DRM95 has been designed to install on a standard 35mm DIN rail allowing simple installation in new or existing wiring.

## TESTED TO INTERNATIONALLY RECOGNISED STANDARDS

The DRM95 has now been tested to IEC 61643-11 to ensure safe operation.

## SPECIFICATIONS

Electrical Characteristic	Symbol	Rating
Connection Type		Series
Surge Protector Class		IEC 61643-11 : Class II
Protection Modes		L-N, L-PE, N-PE
Power System Configuration		Single Phase TN-S, TT Systems
Nominal Voltage	$U_n$	220-240 V <sub>AC</sub>
Operating Frequency		50 Hz
Maximum Load Current	$I_L$	20A
Maximum Overload Protection Device Rating*		20A MCB/RCBO
Max continuous operating voltage	$U_C$	300 V <sub>AC</sub>
Nominal Discharge current (All Protection Modes-8/20 $\mu$ s)	$I_n$	10kA
Max Discharge current (All Protection Modes-8/20 $\mu$ s)	$I_{max}$	25kA
Max Voltage protection level at $I_n$	$U_p$	$\leq 1.2kV$
Max Voltage drop at $I_L$	$\Delta U\%$	$\leq 2\%$ (4.4-4.8V at $U_n$ )
Short Circuit Current Withstand	$I_{SCCR}$	10kA
Temporary Overvoltage rating	$U_T$	440V/5sec
Earth Leakage Range		$\leq 1mA$
<b>Mechanical Characteristics</b>		
Product Dimensions		70mm(W) x 90mm(H) x 60mm(D)
Wire range - Solid		0.5-2.5mm <sup>2</sup>
Wire Range - Stranded		0.5-2.5mm <sup>2</sup>
Torque		0.7 N.m.
Stripping Length		9mm
Mounting		TS35 DIN Rail
Unit Weight		182g
IP Rating		IP20
<b>Miscellaneous Characteristics</b>		
Indicator display		LED Indicator: L-N, L-PE
Operating Temperature		-20°C/+60°C
Humidity		5 to 95%
Packaging Dimensions		103mm(W) x 78mm(H) x 77mm(D)

\*Thor Technologies recommends the use of resettable MCB or RCBO over equivalent capacity fuse of gG type.



## SUPPORT AND INFORMATION

For further information and support scan the QR code or contact us.

IEC 61643-11 : CLASS II



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AND ENGINEERED  
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In the interest of product improvement and development THOR Technologies reserves the right at any time to modify or alter product design.

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