

RC suppressor circuit, 240 - 500 AC V, For use with: DILM40 - DILM95, DILK33 - DILK50, DILMP63 - DILMP200



**Part no.** **DILM95-XSPR500**  
**281207**

| <b>General specifications</b>  |  |   |
|--|--|---|
| Product name   |  | Eaton Moeller® series DILM RC suppressor circuit  |
| Part no.   |  | DILM95-XSPR500  |
| EAN  |  | 4015082812072   |
| Product Length/Depth   |  | 43 millimetre   |
| Product height   |  | 25 millimetre   |
| Product width  |  | 9 millimetre  |
| Product weight   |  | 0.005 kilogram  |
| Certifications   |  | UL Recognized<br>UL 508<br>IEC/EN 60947-4-1<br>UL File No.: E29184<br>CE<br>CSA Class No.: 3211-07<br>CSA-C22.2 No. 14-05<br>CSA<br>UL Category Control No.: NKCR2, NKCR8<br>CSA File No.: 256465 |
| Product Tradename  |  | DILM  |
| Product Type   |  | Accessory   |
| Product Sub Type   |  | RC suppressor circuit   |
| Catalog Notes  |  | With DC operated contactors and with DILM115 and DILM150 the suppressor is integrated.  |
| <b>Features &amp; Functions</b>  |  |   |
| Functions  |  | Varistor (voltage-sensitive resistor)   |
| <b>General information</b>   |  |   |
| Product category   |  | Accessories   |
| Voltage type   |  | AC  |
| <b>Climatic environmental conditions</b>   |  |   |
| Ambient operating temperature - min  |  | -25 °C  |
| Ambient operating temperature - max  |  | 60 °C   |
| <b>Magnet system</b>   |  |   |
| Rated control supply voltage (Us) at AC, 50 Hz - min                             |  | 240 V   |
| Rated control supply voltage (Us) at AC, 50 Hz - max                             |  | 500 V   |
| Rated control supply voltage (Us) at AC, 60 Hz - min                             |  | 240 V   |
| Rated control supply voltage (Us) at AC, 60 Hz - max                             |  | 500 V   |
| Rated control supply voltage (Us) at DC - min                                    |  | 0 V   |
| Rated control supply voltage (Us) at DC - max                                    |  | 0 V   |
| <b>Design verification</b>   |  |   |
| Equipment heat dissipation, current-dependent Pvid                               |  | 0 W   |
| Heat dissipation capacity Pdis   |  | 0 W   |
| Heat dissipation per pole, current-dependent Pvid                                |  | 0 W   |
| Rated operational current for specified heat dissipation (In)                    |  | 0 A   |
| Static heat dissipation, non-current-dependent Pvs                               |  | 0 W   |
| 10.2.2 Corrosion resistance  |  | Meets the product standard's requirements.  |
| 10.2.3.1 Verification of thermal stability of enclosures                         |  | Meets the product standard's requirements.  |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat       |  | Meets the product standard's requirements.  |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects |  | Meets the product standard's requirements.  |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                 |  | Meets the product standard's requirements.  |
| 10.2.5 Lifting   |  | Does not apply, since the entire switchgear needs to be evaluated.  |
| 10.2.6 Mechanical impact   |  | Does not apply, since the entire switchgear needs to be evaluated.  |

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|--|--|--|--|
| 10.2.7 Inscriptions                                      |  |  | Meets the product standard's requirements.   |
| 10.3 Degree of protection of assemblies                  |  |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.4 Clearances and creepage distances                   |  |  | Meets the product standard's requirements.   |
| 10.5 Protection against electric shock                   |  |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.6 Incorporation of switching devices and components   |  |  | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.7 Internal electrical circuits and connections        |  |  | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors                 |  |  | Is the panel builder's responsibility.   |
| 10.9.2 Power-frequency electric strength                 |  |  | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage                         |  |  | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material |  |  | Is the panel builder's responsibility.   |
| 10.10 Temperature rise                                   |  |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating                               |  |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility                      |  |  | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function                                |  |  | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

## Technical data ETIM 9.0

|  |  |   |                                       |
|--|--|---|---------------------------------------|
| Low-voltage industrial components (EG000017) / Surge protection module (EC000683)  |  |   |                                       |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Component for protective circuit (ecl@ss13-27-37-10-10 [AKF019018]) |  |   |                                       |
| Function   |  |   | Varistor (voltage-sensitive resistor) |
| Voltage type (operating voltage)   |  |   | AC                                    |
| Operating voltage AC 50 Hz   |  | V | 230 - 690                             |
| Operating voltage AC 60 Hz   |  | V | 230 - 690                             |
| Operating voltage DC   |  | V | 0 - 0                                 |
| With LED indication  |  |   | No                                    |