

Part no. **DILM32-XSPV500**
281215

| General specifications | | |
|--|--|---|
| Product name | | Eaton Moeller® series DILM varistor suppressor circuit |
| Part no. | | DILM32-XSPV500 |
| EAN | | 4015082812157 |
| Product Length/Depth | | 43 millimetre |
| Product height | | 25 millimetre |
| Product width | | 9 millimetre |
| Product weight | | 0.006 kilogram |
| Certifications | | IEC/EN 60947-4-1 CSA Class No.: 3211-07 CE CSA-C22.2 No. 14-05 UL 508 CSA File No.: 256465 UL Category Control No.: NKCR2, NKCR8 UL Recognized CSA UL File No.: E29184 |
| Product Tradename | | DILM |
| Product Type | | Accessory |
| Product Sub Type | | Varistor suppressor circuit |
| Catalog Notes | | With DC operated contactors and with DILM115 and DILM150 the suppressor is integrated. |
| Features & Functions | | |
| Functions | | Varistor (voltage-sensitive resistor) |
| General information | | |
| Product category | | Accessories |
| Used with | | DILL... |
| Voltage type | | AC |
| Climatic environmental conditions | | |
| Ambient operating temperature - min | | -25 °C |
| Ambient operating temperature - max | | 60 °C |
| Magnet system | | |
| 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 |
| Design verification | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdiss | | 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. |
| 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 8.0

| | | |
|---|---|---------------------------------------|
| Low-voltage industrial components (EG000017) / Surge protection module (EC000683) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Overvoltage limiter (ecl@ss10.0.1-27-37-10-13 [AKF022013]) | | |
| Function | | Varistor (voltage-sensitive resistor) |
| Rated control supply voltage U_s at AC 50HZ | V | 240 - 500 |
| Rated control supply voltage U_s at AC 60HZ | V | 240 - 500 |
| Rated control supply voltage U_s at DC | V | 0 - 0 |
| Voltage type for actuating | | AC |
| With LED indication | | No |