

## Switch-disconnector

**Part no.**                      **DMM-80/1**  
**199969**

<b>General specifications</b>	
Product name	Eaton DMM Switch-disconnector
Part no.	DMM-80/1
EAN	5027590528719
Product Length/Depth	152 millimetre
Product height	108 millimetre
Product width	132 millimetre
Product weight	0.916 kilogram
Compliances	CE
Product Tradename	DMM
Product Type	Switch-disconnector
Product Sub Type	None
<b>Features &amp; Functions</b>	
Features	Version as main switch Version as maintenance-/service switch
Number of poles	Three-pole
<b>General information</b>	
Actuator color	Black
Actuator type	Toggle
Degree of protection	Other
Degree of protection (front side)	IP20
Suitable for	Distribution board installation Ground mounting
<b>Electrical rating</b>	
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	0 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated operational voltage (Ue) at AC - min	690 V
Rated uninterrupted current (Iu)	80 A
<b>Short-circuit rating</b>	
Rated conditional short-circuit current (Iq)	50 kA
Rated short-time withstand current (Icw)	2.5 kA
<b>Contacts</b>	
Number of auxiliary contacts (change-over contacts)	0
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
<b>Design verification</b>	
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	UV resistance only in connection with protective shield.
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.