DATASHEET - NZM3-XSVS

Socket, 3p, 630A

Part no.	**NZM3-XSVS**
	168472
EL Number (Norway)	**4357580**

Powering Business Worldwide™

General specifications

Product name	Eaton Moeller series NZM plug-in unit
Part no.	NZM3-XSVS
EAN	4015081649532
Product Length/Depth	345 millimetre
Product height	132 millimetre
Product width	140 millimetre
Product weight	2.8 kilogram
Compliances	IEC RoHS conform
Certifications	IEC/EN 60947
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Plug-in unit

Delivery program

Type	Accessory Plug-in socket for basic unit
Number of poles	Three-pole
Nominal current	500 A
Features	Version as built-in device
Frame	NZM3

Technical Data - Electrical

Electrical connection type of main circuit	Screw connection
Isolation	500 V AC (between auxiliary contacts and main contacts) 300 V AC (between the auxiliary contacts)
Direction of incoming supply	As required

Technical Data - Mechanical

Mounting Method	Plug-in unit
Mounting position	Vertical and 90° right/left
Degree of protection	IP2X (in the area of the plug-in area)
Protection against direct contact	Finger and back-of-hand proof to VDE 0106 part 100
Shock resistance	20 g (half-sinusoidal shock 20 ms)
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Technical Data - Mechanical - Terminals

Terminal equipment included	Screw connection

Design verification as per IEC/EN 61439 - technical data

Equipment heat dissipation, current-dependent	83.35 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	70 °C

Design verification as per IEC/EN 61439

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 9.0

Low-voltage industrial components (EG000017) / Chassis part power circuit breaker (EC002043)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Chassis part circuit breaker (ecl@ss13-27-37-04-22 [ACN955016])			
Rated current In		A	500
Number of poles			3
Version as busbar adapter			No
Version as built-in device			Yes
Type of electrical connection of main circuit			Screw connection