## DATASHEET - NZM1-XSVS

Socket 3p, 108A



Part no.	NZM1-XSVS
	109777
EL Number	4357000
(Norway)	

General specifications	
Product name	Eaton Moeller series NZM plug-in unit
Part no.	NZM1-XSVS
EAN	4015081089598
Product Length/Depth	190 millimetre
Product height	78 millimetre
Product width	100 millimetre
Product weight	0.678 kilogram
Compliances	IEC RoHS conform
Certifications	IEC/EN 60947
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Plug-in unit
Delivery program	
Туре	Accessory Plug-in socket for basic unit
Number of poles	Three-pole
Nominal current	108 A
Features	Version as busbar adapter
Frame	NZM1
Technical Data - Electrical	
Electrical connection type of main circuit	Frame clamp
Isolation	300 V AC (between the auxiliary contacts) 500 V AC (between auxiliary contacts and main 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	14.06 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	А	108				
Number of poles		3				
Version as busbar adapter		Yes				
Version as built-in device		No				
Type of electrical connection of main circuit		Fram	ne clamp			