DATASHEET - NZM2-XRD24-30DC

Remote operator, 24-30VDC, standard

Part no.	**NZM2-XRD24-30DC**
	115393
EL Number (Norway)	**4315519**

Powering Business Worldwide

General specifications

Product name	Eaton Moeller series NZM remote operator
Part no.	NZM2-XRD24-30DC
EAN	4015081151257
Product Length/Depth	150 millimetre
Product height	105 millimetre
Product width	105 millimetre
Product weight	1.25 kilogram
Compliances	UL/CSA IEC RoHS conform
Certifications	CSA-C22.2 No. 5-09 CE marking UL489 IEC60947 CSA (File No. 22086) UL listed CSA certified CSA (Class No. 1437-01) UL (File No. E140305) UL (Category Control Number DIHS)
Product Tradename	NZM
Product Type	Accessories
Product Sub Type	Remote operator

Delivery program

Type	Accessory Remote operator, standard
Number of poles	Three-pole/Four-pole
Special features	Sliding switch for "Auto" or "Manual" Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches Cannot be combined with switch-disconnector PN... Cannot be combined with mechanical interlock Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD
Frame	NZM2
Used with	NZM2(-4) N(S)2(-4)

Technical Data - Electrical

Voltage type	DC
Voltage rating	24 - 30 V DC
Operating voltage - min	0.85 x Us
Operating voltage - max	1.1 x Us
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 50 Hz - max	0 V
Rated control supply voltage (Us) at AC, 60 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
Rated control supply voltage (Us) at DC - min	24 V
Rated control supply voltage (Us) at DC - max	30 V
Voltage tolerance - min	0.85
Voltage tolerance - max	1.1
Power consumption	450 W (24 - 30 V DC)
Closing delay	110 ms - 170 ms
Breaking time	110 ms - 170 ms
Number of operations per hour - max	120

Signal duration of remote operator at switch off - min			100 ms
Signal duration of remote operator at switch on - min			100 ms
Technical Data - Mechanical			
Switch drive type			Motor drive
Special features			Sliding switch for "Auto" or "Manual" Max. number auxiliary contacts: 2 standard auxiliary contacts, 1 trip-indicating auxiliary switches Cannot be combined with switch-disconnector PN... Cannot be combined with mechanical interlock Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD
Lifespan, mechanical			20000 operations
Technical Data - Mechanical - Terminals			
Terminal capacity (solid/flexible conductor)			18 - 14 AWG 0.75 mm^2 - 2.5 mm^2 with ferrule
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) / Motor operator for power circuit-breaker (EC001030)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Electrical drive for circuit breakers (ecl@ss13-27-37-04-12 [AKF010018])			
Type of switch drive			Motor drive
Rated control supply voltage AC 50 Hz		V	0 - 0
Rated control supply voltage AC 60 Hz		V	0 - 0
Rated control supply voltage DC		V	24 - 30
Voltage type for actuating			DC