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Digital NZM Molded Case Circuit Breaker 285601

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281231

281231

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 20A, N, frame 1, A20

• 269316

269316

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 250A, H3-VEF250-NA

• 110863

110863

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 500A, withdrawable unit, H, frame 3, A500-AVE

• <u>113572</u>

113572

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 630A, withdrawable unit, H3-AE630-T-AVE

• <u>113510</u>

113510

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 400A, withdrawable unit

• <u>110860</u>

110860

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 500A, withdrawable unit, N, frame 3, A500-AVE

• <u>259116</u>

259116

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 250A, H3-AE250

174618

174618

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3 p, 250A, box terminals

• <u>192251</u>

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Eaton Moeller series NZM - Molded Case Circuit Breaker. NZM3 PXR25 circuit breaker - integrated energy measurement class 1, 630A, 3p, box terminal, S, 3

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109670

109670

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 400A, N3-A400

• 110889

110889

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• 107664

107664

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• <u>195226</u>

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NZMN2-AX160-NA. NZM2 PXR10 circuit breaker, 160A, 3p, Screw terminal, UL/CSA

192581

192581

NZMN2-PMX140-NA. NZM2 PXR25 circuit breaker, 140A, 3p, Screw terminal, UL/CSA

169028

169028

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4 p, 160A, plug-in module

113278

113278

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4p, 160A, 100A in 4th pole, plug-in module, N2-4-VE160/100-SVE

107816

107816

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 50A, box terminals, H, frame 2, AF50-BT-NA

• <u>192524</u>

192524

NZMN2-MX140-NA. NZM2 PXR20 circuit breaker, 140A, 3p, Screw terminal, UL/CSA

• <u>107649</u>

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• 193374

193374

Eaton Moeller series NZM - Molded Case Circuit Breaker. NZM2 PXR10 circuit breaker, 160A, 4p, Screw terminal, S, 2

• <u>110313</u>

110313

Eaton Moeller series NZM - Molded Case Circuit Breaker. Switch-disconnector 3p 250A terminals

109984

109984

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3 p, 250A, screw connection

• <u>110289</u>

110289

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 63A, box terminals, H, frame 2, A63-BT

• <u>192173</u>

192173

Eaton Moeller series NZM - Molded Case Circuit Breaker. NZM2 PXR25, class 1, 250A, 3p, Screw terminal, plug-in technology, S, 2

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Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 1.2A

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Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 1, 2A

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<u>281231</u>

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269316

269316

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 250A, H3-VEF250-NA

110863

110863

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 500A, withdrawable unit, H, frame 3, A500-AVE

• <u>113572</u>

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Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 630A, withdrawable unit, H3-AE630-T-AVE

• <u>113510</u>

113510

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 400A, withdrawable unit

• <u>110860</u>

110860

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 500A, withdrawable unit, N, frame 3, A500-AVE

• <u>259116</u>

259116

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 250A, H3-AE250

• <u>174618</u>

174618

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3 p, 250A, box terminals

• <u>192251</u>

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• <u>192333</u>

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Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 225A, box terminals, N2-AF225-BT-NA
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Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 30A, box terminals

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•	269216 Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 200A, B2-A200-NA 192464
•	192464 NZMH2-MX200-NA. NZM2 PXR20 circuit breaker, 200A, 3p, Screw terminal, UL/CSA 271102
•	271102 Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 250A, N, frame2, AF250-NA 195230
•	195230 NZMH2-AX160-NA. NZM2 PXR10 circuit breaker, 160A, 3p, Screw terminal, UL/CSA 271128
•	271128 Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 200A, N, frame2, VEF200-NA 192078
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• <u>193374</u>

Eaton Moeller series NZM - Molded Case Circuit Breaker. NZM2 PXR10 circuit breaker, 160A, 4p, Screw terminal, S, 2

• <u>110313</u>

110313

Eaton Moeller series NZM - Molded Case Circuit Breaker. Switch-disconnector 3p 250A terminals

109984

109984

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3 p, 250A, screw connection

• 110289

110289

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 63A, box terminals, H, frame 2, A63-BT

• <u>192173</u>

192173

Eaton Moeller series NZM - Molded Case Circuit Breaker. NZM2 PXR25, class 1, 250A, 3p, Screw terminal, plug-in technology, S, 2

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- General specifications
- **Product specifications**

General specifications

Product Name

Eaton Moeller series NZM release

Catalog Number

285601

Model Code

PFR-W-70

EAN

4015082856014

Product Length/Depth

125 mm

Product Height

45 mm

Product Width

144 mm

Product Weight $0.204 \, \mathrm{kg}$

Compliances

RoHS conform

Certifications

IEC

Product specifications

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Frame

NZM1/2/3/4

Power on-delay time - min

 $0 \, \mathrm{ms}$

Rated control supply voltage (Us) at AC, 50 Hz - min

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Mounting Method

Incl. fixing clip for DIN-rail mounting

Transformer opening diameter

70 mm

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

Rated fault current - max

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Rated control supply voltage (Us) at DC - min

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

Rated control supply voltage (Us) at AC, 50 Hz - max

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.8 Connections for external conductors

Is the panel builder's responsibility.

Voltage rating

690 V AC 50/60 Hz

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Special features

In combination with PFR residual current relay not UL/CSA approved

Rated control supply voltage (Us) at AC, 60 Hz - min

 $0\,\mathrm{V}$ 10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Power on-delay time - max

 $0 \, \mathrm{ms}$

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Rated control supply voltage (Us) at DC - max

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Accessory Earth-fault releases, transformer Voltage release

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

Rated control supply voltage (Us) at AC, 60 Hz - max

Rated operating voltage (Ue) - max

Voltage rating of relay contact

690 V (50/60 Hz)

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

Rated fault current - min

0A

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

Serial Number Verified:

Authenticated:

The product is verified as being authentic; however, this does not guarantee the condition or fit for purpose of the product.

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- eaton-digital-nzm-brochure-br013003en-en-us.pdf

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Certification reports

• DA-DC-03 PFR

Drawings

- 1230DIM-180
- <u>eaton-circuit-breaker-transformer-nzm-3d-drawing.eps</u>

eCAD model

• DA-CE-ETN.PFR-W-70

Installation instructions

• <u>IL01219036Z</u>

Installation videos

- The new digital NZM Range
- Introduction of the new digital circuit breaker NZM

mCAD model

- DA-CS-pfr w 70
- <u>DA-CD-pfr w 70</u>

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