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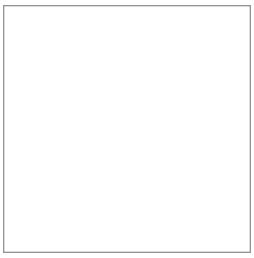
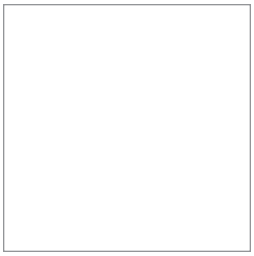
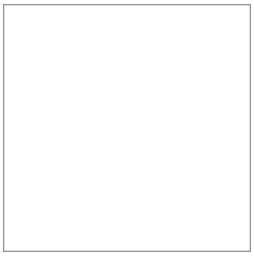
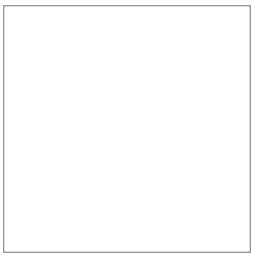
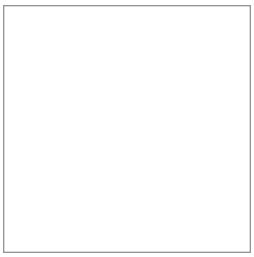
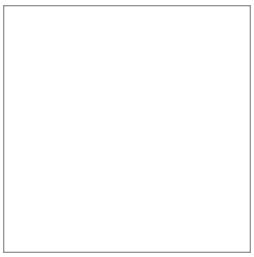
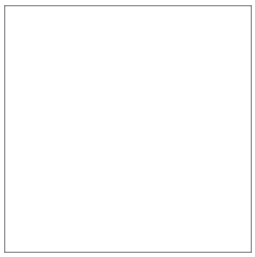
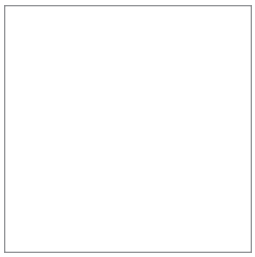
# NZM Accessory Order Guide

(Use with publication NZM-CAT-0806)

terminals
rotary handles
undervoltage trips

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- Handle and circuit breaker can be locked in OFF position
- Circuit breaker can be locked in OFF position at switch after door is open
- With door interlock; can be defeated by a qualified person with the use of a tool
- Handle cannot be defeated in the locked OFF position
- Door is opened with rotation of handle beyond the OFF position
- External warning plate/designation label can be clipped on



## Rotary handles for North American applications, door mounted ❶❷

| 1 Select Frame Size | 2 Determine Mounting Depth | | 3 Choose Handle | | 4 You Will Also Need… |
|---|---|---|---|---|---|
| | | | Standard Handle  | Emergency-stop  | Extension Shaft  |
| | | Enclosure Mounting Depth | | | |
| **Breaker / Switch** | **Mounting Type** | mm | **Catalog Number** | **Catalog Number** | **Catalog Number** |
| 125A  NZM1 / NS1 | Standard | 210 – 400 | NZM1-XTVDV-NA | NZM1-XTVDVR-NA | NZM1/2-XV4 |
| | | 400 – 600 | | | NZM1/2-XV6 |
| | Mid-length | 167 – 210 | NZM1-XTVDV-60-NA | NZM1-XTVDVR-60-NA | NZM1/2-XV4 |
| | Shallow | 128 – 167 | NZM1-XTVDV-0-NA | NZM1-XTVDVR-0-NA | *(shaft included)* |
| 250A  NZM2 / NS2 | Standard | 245 – 400 | NZM2-XTVDV-NA | NZM2-XTVDVR-NA | NZM1/2-XV4 |
| | | 400 – 600 | | | NZM1/2-XV6 |
| | Mid-length | 205 – 249 | NZM2-XTVDV-60-NA | NZM2-XTVDVR-60-NA | NZM1/2-XV4 |
| | Shallow | 172 – 205 | NZM2-XTVDV-0-NA | NZM2-XTVDVR-0-NA | *(shaft included)* |
| 600A  NZM3 / NS3 | Standard | 270 – 400 | NZM3-XTVDV-NA | NZM3-XTVDVR-NA | NZM3/4-XV4 |
| | | 400 – 600 | | | NZM3/4-XV6 |
| | Mid-length | 235 – 277 | NZM3-XTVDV-60-NA | NZM3-XTVDVR-60-NA | NZM3/4-XV4 |
| | Shallow | 199.5 – 235 | NZM3-XTVDV-0-NA | NZM3-XTVDVR-0-NA | *(shaft included)* |
| 1200A  NZM4 / NS4 | Standard | 300 – 400 | NZM4-XTVDV-NA | NZM4-XTVDVR-NA | NZM3/4-XV4 |
| | | 400 – 600 | | | NZM3/4-XV6 |
| | Mid-length | 270 – 312 | NZM4-XTVDV-60-NA | NZM4-XTVDVR-60-NA | NZM3/4-XV4 |
| | Shallow | 234.5 – 270 | NZM4-XTVDV-0-NA | NZM4-XTVDVR-0-NA | *(shaft included)* |

❶ For IEC applications, see catalog pages 50, 51 and 54.
❷ Other handle options are available - see catalog pages 56-59.



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- Safety feature: When undervoltage trip is not powered, the main contacts cannot be made to touch by inadvertent toggle or handle operation
- Device will trip instantly when power to undervoltage trip drops below 35 – 70% of the control voltage
- Available with or without built-in early-make auxiliary contacts



## Undervoltage trips with screw terminals ❶❷❸

| **1** Select Frame Size | **2** Determine Control Voltage | | **3** Choose Undervoltage Trip | |
|---|---|---|---|---|
| | | | **Typical For Emergency-stop Applications with use of an Emergency-stop button** *(without auxiliary contacts)* | **Typical For Interlocking and Load Shedding** *(includes two early-make auxiliary contacts)* |
| **Breaker / Switch** | **AC** (50/60 HZ) | **DC** | **Catalog Number** | **Catalog Number** |
|  NZM1 / NS1 | 24 V | – | NZM1-XU24AC | NZM1-XUHIV24AC |
| | 110 V – 130 V | – | NZM1-XU110-130AC | NZM1-XUHIV110-130AC |
| | 208 V – 240 V | – | NZM1-XU208-240AC | NZM1-XUHIV208-240AC |
| | 308 V – 440 V | – | NZM1-XU380-440AC | NZM1-XUHIV380-440AC |
| | 480 V – 525 V | – | NZM1-XU480-525AC | – |
| | – | 12 V | NZM1-XU12DC | – |
| | – | 24 V | NZM1-XU24DC | NZM1-XUHIV24DC |
| | – | 110 V – 130 V | NZM1-XU110-130DC | – |
| | – | 220 V – 250 V | NZM1-XU220-250DC | – |
|  NZM2 / NS2 or NZM3 / NS3 | 24 V | – | NZM2/3-XU24AC | NZM2/3-XUHIV24AC |
| | 110 V – 130 V | – | NZM2/3-XU110-130AC | NZM2/3-XUHIV110-130AC |
| | 208 V – 240 V | – | NZM2/3-XU208-240AC | NZM2/3-XUHIV208-240AC |
| | 308 V – 440 V | – | NZM2/3-XU380-440AC | NZM2/3-XUHIV380-440AC |
| | 480 V – 525 V | – | NZM2/3-XU480-525AC | – |
| | – | 12 V | NZM2/3-XU12DC | – |
| | – | 24 V | NZM2/3-XU24DC | NZM2/3-XUHIV24DC |
| | – | 110 V – 130 V | NZM2/3-XU110-130DC | – |
| | – | 220 V – 250 V | NZM2/3-XU220-250DC | – |
|  NZM4 / NS4 | 24 V | – | NZM4-XU24AC | NZM4-XUHIV24AC |
| | 110 V – 130 V | – | NZM4-XU110-130AC | NZM4-XUHIV110-130AC |
| | 208 V – 240 V | – | NZM4-XU208-240AC | NZM4-XUHIV208-240AC |
| | 308 V – 440 V | – | NZM4-XU380-440AC | NZM4-XUHIV380-440AC |
| | 480 V – 525 V | – | NZM4-XU480-525AC | – |
| | – | 12 V | NZM4-XU12DC | – |
| | – | 24 V | NZM4-XU24DC | NZM4-XUHIV24DC |
| | – | 110 V – 130 V | NZM4-XU110-130DC | – |
| | – | 220 V – 250 V | NZM4-XU220-250DC | – |

❶ 3 m cable connections also available - see pages 30, 34, 35 and 36.
❷ Standard and trip alarm auxiliary contacts are also available - see pages 22 and 24.
❸ Shunt Trips are also available - see pages 38-49.



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## Terminal selection guide for North American applications ❶

| 1 Select Frame Size | 2 Choose Terminal | | | | 3 Terminal Selection |
|---|---|---|---|---|---|
| | | | Terminal Capacity | | |
| Breaker / Switch | Terminal Type *(shading indicates supplied terminal)* | UL/CSA Conductor Type | Number of conductors | AWG/MCM | Catalog Number |
| 125A  NZM1 / NS1 | Box Terminal | Cu Only | 1 | 12 – 2/0 | NZM1-XKC |
| | Screw Connection for Crimp Lug | Cu Only | 1 | 12 – 2/0 | NZM1-XKS |
| | Tunnel Terminal | Cu Only | 1 | 6 – 3/0 | NZM1-XKA |
| 250A  NZM2 / NS2 | Box Terminal | Cu Only | 1 | 12 – 350 | NZM2-160-XKC ❷ |
| | | | | | NZM2-250-XKC ❷ |
| | Screw Connection for Crimp Lug | Cu Only | 1 | 12 – 350 | NZM2-XKS |
| | Tunnel Terminal | Cu Only | 1 | 6 – 350 | NZM2-XKA |
| 600A  NZM3 / NS3 | Box Terminal | Cu Only | 1 | 1/0 – 500 | NZM3-XKC |
| | Bolt-on Connection | Cu Bus | – | – | NZM3-XKS |
| | Tunnel Terminal | Cu Only | 1 | 1/0 – 500 | NZM3-XKA2 |
| | | | 2 | 1/0 – 500 | |
| 1200A  NZM4 / NS4 | Bolt-on Connection | Cu Bus | – | – | – |
| | | | – | – | |
| | Tunnel Terminal ❸ | Cu Only | 1 | 1/0 – 500 | NZM4-XKA |
| | | | 4 | 1/0 – 500 | |

❶ IEC rated terminals for IEC rated circuit breakers are also available - refer to catalog.
❷ For circuit breakers up to 160 A, use NZM2-160-XKC; for circuit breakers over 160 A, use NZM-250-XKC.
❸ The maximum rating is 1100A for cable connection with tunnel terminal.

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