

5.1

Memshield 3 MCCB panelboards and associated devices

Incoming device ratings up to 250A – outgoing device ratings up to 160A

Specification

- Panelboards to IEC61439-2. Form 3b Type 2
- Busbar system KEMA certified 50kA Icc, Icw 25kA 1s
- IP3X construction
- MCCBs to IEC60947-2. kA ratings shown are Ics=Icu at 400V ac
- Switch disconnectors to IEC60947-3

Features

- 4, 6, 8, or 12 outgoing TP ways
- Outgoing devices; NZM1 16A–125A SP & 20A–160A TP
- Tin-plated busbars
- Can be configured for incomer device at top of panelboard
- Removable side gland plates as standard
- Wide range of extension boxes, metering, surge protection, and earth leakage incomer options available

See pages 149-151 for dimensions.

EPBN1425



- Minimum ordering requirement: panelboard + incoming device + incomer connection kit + outgoing devices + blanking plates

Description	Associated incoming device	Current rating (A)	No. of ways	Eaton list number
Incoming rating up to 250A, outgoing ratings up to 160A	NZM2 MCCB or N2 switch disconnector or direct lugs connection	250	4	EPBN1425
			6	EPBN1625
			8	EPBN1825
			12	EPBN11225

NZMC2-A250KCO



MCCB incoming device

- 36kA or 50kA options
- Select appropriate incomer device from table below
- Maximum cable capacity 185mm²
- Adjustable trip. Thermal trip adjustment 0.8 to 1 x I_n, Magnetic trip adjustment 6 to 10 x I_n

Poles	Incoming device type	Current rating (A)	Eaton list number	
			Short circuit rating 36kA	50kA
3-pole	NZM2 MCCB	160	NZMC2-A160KCO	NZMN2-A160KCO
		200	NZMC2-A200KCO	NZMN2-A200KCO
		250	NZMC2-A250KCO	NZMN2-A250KCO
4-pole (3 phase and switched neutral)	NZM2 MCCB	160	NZMC2-4-A160KCO	NZMN2-4-A160KCO
		200	NZMC2-4-A200KCO	NZMN2-4-A200KCO
		250	NZMC2-4-A250KCO	NZMN2-4-A250KCO

N2-250KCO



Switch disconnector (non-automatic) incoming device

- Select appropriate incomer device from table below
- Maximum cable capacity 185mm²

Poles	Incoming device type	Current rating (A)	Eaton list number
3-pole	N2 Switch disconnector	250	N2-250KCO
4-pole	N2 Switch disconnector	250	N2-4-250KCO