

5.4

Memshield 3 MCCB panelboards and associated devices

Incoming device ratings up to 630A – outgoing device ratings up to 250A

Specification

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

Features

- 6, 12 or 18 outgoing TP ways
- Outgoing devices; these panelboards utilise two frame sizes of MCCB: NZM2 125A–250A TP, and NZM1 SP 16A–125A or TP 20A–160A
- 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
- Door lock included

See pages 149-151 for dimensions.

EPBN2863



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

Description	Associated incoming device	Current rating (A)	No. of outgoing ways	Eaton list number
Incoming rating 630A, outgoing ratings up to 250A	NZMLW MCCB or NLW CBS or direct lugs connection	630	8 (4 x 250A + 4 x 160A)	EPBN2863
			12 (4 x 250A + 8 x 160A)	EPBN21263
			18 (4 x 250A + 14 x 160A)	EPBN21863

NZMLW-630



MCCB incoming device

- 50kA
- Select appropriate incomer device from table below
- Maximum cable capacity 2 x 300mm²
- Thermal trip fixed at 630A, Magnetic trip adjustment 2 to 8 x In

Poles	Incoming device type	Current rating (A)	Eaton list number
3-pole	NZMLW MCCB	630	NZMLW-A630
4-pole (3 phase and switched neutral)	NZMLW MCCB	630	NZMLW-4-A630

NLW-630



Circuit breaker switch incoming device

- 50kA
- Select appropriate incomer device from table below
- Maximum cable capacity 2 x 300mm²

Poles	Incoming device type	Current rating (A)	Eaton list number
3-pole	NLW Circuit breaker switch	630	NLW-630
4-pole	NLW Circuit breaker switch	630	NLW-4-630

EPBKN2633



Incomer connection kit/metering connection kit

- See incoming metering section below to order metering components

Poles	Maximum rating (A)	Eaton list number
3-Pole incomer connection kit	630	EPBKN2633
3-Pole incomer connection kit – includes metering CT and CT to meter cable	630	EPBKN2633M
4-Pole incomer connection kit	630	EPBKN2634
4-Pole incomer connection kit – includes metering CT and CT to meter cable	630	EPBKN2634M
Direct connection lugs kit	630	EPBKN263L
Direct connection lugs kit – includes metering CT and CT to meter cable	630	EPBKN263LM
Adapter kit for use when incomer device mounted at top of panelboard	570	EPBKTFSLW¹⁾

¹⁾Maximum rating of panelboard when top fed is 570A