

## Type Approval Certificate Extension

This is to certify that Certificate No. 00/10028(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Mitsubishi Electric Corporation, Fukuyama Works 1-8, Midori-Machi, Fukuyama-City, Hiroshima-Pref., 720-8647 Japan
<b>PLACE OF PRODUCTION</b>	Mitsubishi Electric Corporation, Fukuyama Works 1-8, Midori-Machi, Fukuyama-City, Hiroshima-Pref., 720-8647 Japan
<b>DESCRIPTION</b>	Moulded Case Circuit Breakers: 2 or 3 Poles, Fixed, Utilisation Category A
<b>TYPE</b>	NF30-CS, MB30-CS
<b>APPLICATION</b>	Switching and protection of distribution circuits for marine, offshore and industrial use.
<b>DESIGN CODE STANDARD</b>	IEC 60947-2 (2003)

<b>Certificate No.</b>	00/10028(E3)
<b>Issue Date</b>	30 June 2010
<b>Expiry Date</b>	29 June 2015
<b>Sheet</b>	1 of 2



H. Murase  
Yokohama Design Support Office  
Lloyd's Register

*Lloyd's Register, registered office:  
71 Fenchurch Street, London EC3M 4BS*

## RATINGS

### Alternating Current:

Type	Current rating at 45°C (A)	Rated voltage (V)	Breaking current (r.m.s.) (kA) Icu/Ics	Making current (peak asymmetrical) (kA) Icm	Power factor Icu/Ics	Over-current release	Standard
NF30-CS	3 to 30	240	2.5/2.0	3.46	0.88/0.87	Hydraulic	IEC 60947-2
		440	1.5/1.5	2.16	0.92/0.92	magnetic	Utilisation category A
MB30-CS	0.8 to 32	240	2.5/2.0	3.46	0.88/0.87	Hydraulic	IEC 60947-2
		440	1.5/1.5	2.16	0.92/0.92	magnetic	Utilisation category A

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. 00/10028(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 00/10028(E2) to which this extension should be attached.

Certificate No. 00/10028(E3)  
 Issue Date 30 June 2010  
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 Sheet 2 of 2

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 Lloyd's Register

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