



DB Components

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Revision 1

Date: October 2016



Into a **New Era** of Success

INTRODUCTION



TIME ERA has been a leading producer and manufacturer of low-voltage switchgears and electrical components since 1989. Its dedicated range of products is suited for the domestic, commercial and industrial installations both locally and overseas.

The company's premises is located at the Kajang Technology Park, occupying a sprawling complex of approximately 75,000 sq. ft. Complementing it is a balanced force of trained, experienced management and production staff responsible for the daily operations. Domestic marketing and distribution is undertaken by a subsidiary company, **NES Electric (M) Sdn Bhd**, with its own storage facility to facilitate the logistic of nationwide distribution.

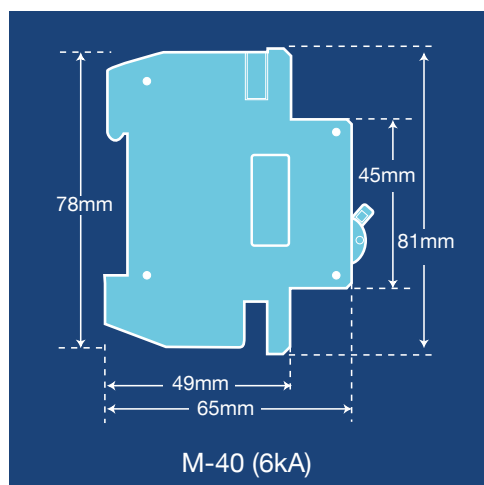
With quality as its forte, **TIME ERA** consistently maintain its stringent quality control standards. The results speak for itself. In recognition of the quality and excellence of its products, **TIME ERA** was awarded the prestigious Quality System MS ISO 9001 by SIRIM QAS (Standard & Industrial Research Institute of Malaysia) in 1999 and the Industry Excellence Award for Export Category by Malaysia's MITI (Ministry of International Trade and Industry) in 1997.

Besides fulfilling the needs of the local market, **Time Era's** range of products are exported overseas and have made inroads into major European, Southeast Asian and Middle Eastern markets.

Success has only spurred the company to set its goals higher. **Time Era** is continually consolidating its position through development of new products. The emphasis of quality and excellence is expected of a market leader and the company is stringent on delivery of goods. At the forefront will be new challenges and new horizons, all of which will be taken on with the same spirit and strength.

Miniature Circuit Breakers

Din-Rail



Description:

Protection and control of circuits against overload and short circuits for domestic and industrial installations.

Approval:

- JBE&G Approved / SIRIM Tested / CB Certificate
- JKR

Technical data:

Tripping Characteristics:

- IEC 60898
- B-Curve
Between 3 and 5 In
- C-Curve
Between 5 and 10 In
- Breaking Capacity:
6kA (M40) / 10kA (WGB)
- Voltage Rating: 230/400 V~
- Frequency: 50 Hz/60Hz
- Current Rating: 6-63 Amp

Connection:

Top & Bottom:
Biconnect system to use either wire, fork type or comb-busbar

Connection Capacity:
1 to 25mm² rigid conductor
1 to 16mm² flexible Conductor

Comb-busbar:
max. 4mm thickness

		Designation	Current Rating (Amps)	Pack Qty.	Cat. No.	
		Single pole	6A	12	M40 - 106	WGB-63-06L1
			10A	12	M40 - 110	WGB-63-10L1
			16A	12	M40 - 116	WGB-63-16L1
			20A	12	M40 - 120	WGB-63-20L1
			32A	12	M40 - 132	WGB-63-32L1
			40A	12	M40 - 140	WGB-63-40L1
			50A	12	M40 - 150	WGB-63-50L1
			63A	12	M40 - 163	WGB-63-63L1
		Double pole	6A	6	M40 - 206	WGB-63-06L2
			10A	6	M40 - 210	WGB-63-10L2
			16A	6	M40 - 216	WGB-63-16L2
			20A	6	M40 - 220	WGB-63-20L2
			32A	6	M40 - 232	WGB-63-32L2
			40A	6	M40 - 240	WGB-63-40L2
			50A	6	M40 - 250	WGB-63-50L2
			63A	6	M40 - 263	WGB-63-63L2
		Triple pole	6A	4	M40 - 306	WGB-63-06L3
			10A	4	M40 - 310	WGB-63-10L3
			16A	4	M40 - 316	WGB-63-16L3
			20A	4	M40 - 320	WGB-63-20L3
			32A	4	M40 - 332	WGB-63-32L3
			40A	4	M40 - 340	WGB-63-40L3
			50A	4	M40 - 350	WGB-63-50L3
			63A	4	M40 - 363	WGB-63-63L3

Residual Current Operated Circuit Breakers with Integral Over Current Protection (RCBO)



Description:

To open a circuit automatically in the case of either an earth leakage fault (between phase and P.E. or P.E. and neutral) or short circuit/overload current. Use in domestic, commercial and industrial installations.

Approval:

- SIRIM Type Tested

Technical data:

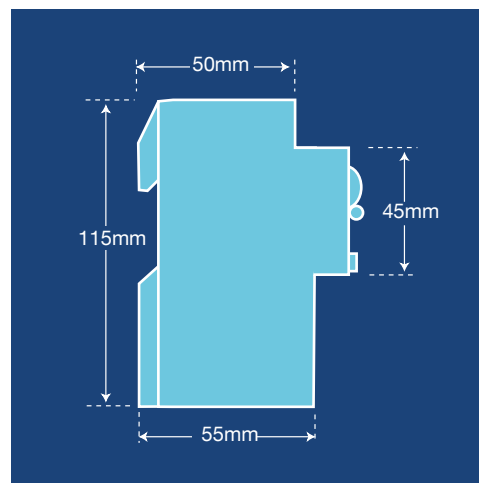
Model: DXR 632 RCBO, IP+N, Single Module.

- IEC 61009-2-2 (IEC 61009-1)
- I_n (rated current): C6, C10, C16, C20, C25, C32
- U_e (operational voltage): 240V a.c. 50/60Hz.
- Tripping characteristic - Type C (IEC 60898-1)
- RCCB - Type AC, Voltage Dependent Type.
- $I_{\Delta n}$ (sensitivity): 30mA (R30), 100mA (R100)
- Ref cal. temp: 50°C

- IP 20, Pollution Degree 3
- U_{imp} (rated impulse Voltage) 4kV
- Rated short circuit breaking capacity: $I_{cn}=I_{\Delta c}=10kA$ (at 240V a.c.)
- Energy Let - through (I^2t) - Class 3

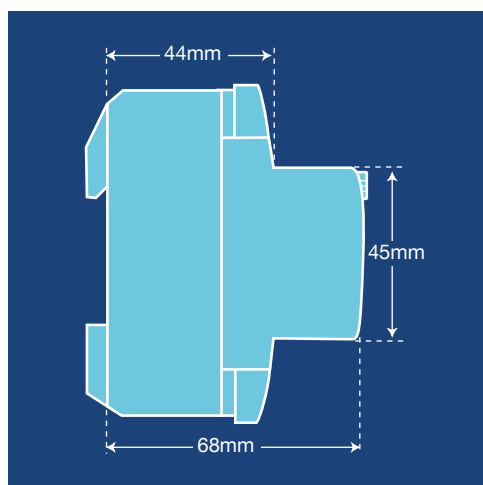
Connection:

Stirrup type terminals.
Wire size: 1.5 - 10 sq mm
Terminal screw torque: 2Nm (max)



Sensitivity		Current Rating (Amps)	Pack Qty.	Cat. No.
10mA	1 module	20A	1	DXR C20 R10
		32A	1	DXR C32 R10
30mA	1 module	6A	1	DXR C6 R30
		10A	1	DXR C10 R30
		16A	1	DXR C16 R30
		20A	1	DXR C20 R30
		25A	1	DXR C25 R30
		32A	1	DXR C32 R30
100mA	1 module	6A	1	DXR C6 R100
		10A	1	DXR C10 R100
		16A	1	DXR C16 R100
		20A	1	DXR C20 R100
		25A	1	DXR C25 R100
		32A	1	DXR C32 R100





Description:

To open a circuit automatically in the case of an earth leakage fault between phase and earth and / or neutral and earth. Use in domestic, commercial and industrial installations.

Approval:

- JBE&G Approved / SIRIM Tested / CB Certificate

Technical data:

Type DLF 362 and DLF 364
MS 1426: 97
IEC 61008-2-1

- 3 non Adjustable Sensitivities: high (30mA), medium (100mA) or low (300mA)
2 module: 25A to 63A
4 module: 25A to 63A
- Nominal Voltage:
2 module/240V 50Hz
4 module/415V 50Hz

Connection:

Bi connection either by busbar or wire. 10mm² rigid conductor for 40A
16mm² - 25mm² rigid conductor for 63A

	Sensitivity		Current Rating (Amps)	Pack Qty.	Cat. No.
	10mA	2 module	30A	100	DLF 362 - 3001
	30mA	2 module	40A	100	DLF 362 - 4003
			63A	100	DLF 362 - 6303
	100mA	2 module	40A	100	DLF 362 - 4010
			63A	100	DLF 362 - 6310
	300mA	2 module	40A	100	DLF 362 - 4030
			63A	100	DLF 362 - 6330
	30mA	4 module	40A	50	DLF 364 - 4003
			63A	50	DLF 364 - 6303
	100mA	4 module	40A	50	DLF 364 - 4010
			63A	50	DLF 364 - 6310
	300mA	4 module	40A	50	DLF 364 - 4030
			63A	50	DLF 364 - 6330

Din-Rail Isolating Switches / Main Switch



Description

Functioning as the on/off or isolating switch in all type of circuit as defined in the IEE wiring regulation.

Approval / Type Testing:

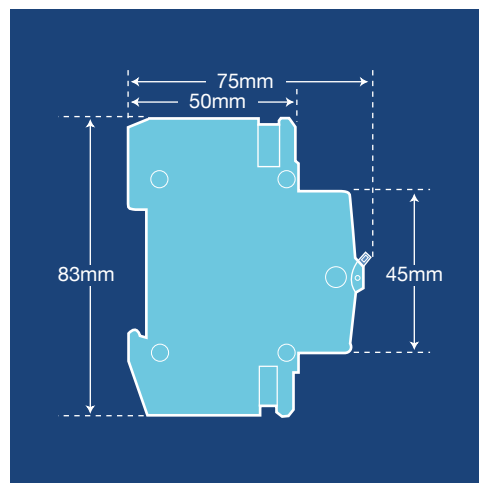
- By SIRIM

Technical data:

- Rated Duty: AC22B
- Rated Current: 240/415V a.c
- Frequency: 50Hz/60Hz
- Uninterrupted duty
- Silver plated terminal for 100A
- Complied to: IEC 60947-3 MS 590 (BS 5419)
- Din-rail mounting
- Uimp: 6kV

Connection:

- Connection Capacity:
25mm² rigid conductor
16mm² flexible conductor
- Biconnect System:
• upper & lower terminals



Designation	Current Rating (Amps)	Pack Qty.	Cat. No.
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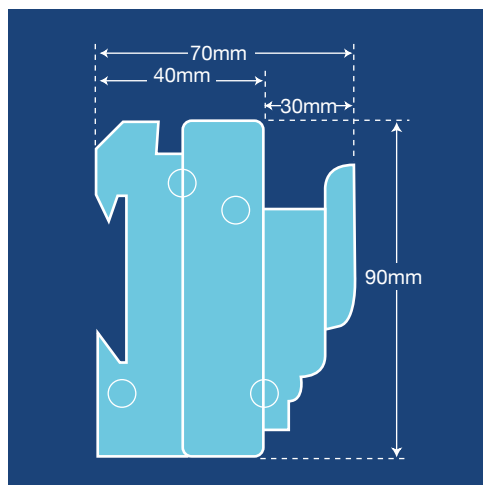
Double pole	32A	5	IS 322
	40A	5	IS 402
	63A	5	IS 632
	100A	5	IS 102



Triple pole	32A	3	IS 323
	40A	3	IS 403
	63A	3	IS 633
	100A	3	IS 103



Onload Switch Fuse (D02)



Description:

Protection of circuit and equipment from overloading and short circuits.

Facilitates isolation and maintenance of circuit.

Approval:

- JBE&G Approved / SIRIM Tested / Patented design

Technical data:

- Type Neozed D02 fuse link
- MS 590 (BS 5419) IEC 60947-3
- Rated Voltage: 240/415V a.c.
- Rated fuse conditional short circuit: 50kA
- Rated Duty: AC22B
- D02 fuse link complies to: IEC 60269-3-1
- Uimp: 6kV

Connection:

- Top: tunnel terminal
- Connection Capacity
- 4mm² - 25mm² for both incoming and outgoing

	Sensitivity	Current Rating (Amps)	Pack Qty.	Cat. No.
	Single pole	63A (11/2 module)	120	OLSF63L1
	1 pole & neutral	32A (11/2 module)	120	OLSF32LN
		63A (3 module)	50	OLSF63LN
	Triple pole	32A (41/2 module)	40	OLSF32L3
		63A (41/2 module)	40	OLSF63L3

Fuse Carriers (Fuse Switch)



Description:

Protection and control of circuits against overloads and short circuits.

- In domestic installation
- In commercial and light industrial electrical distributing system

Technical data:

- Cylindrical Fuse: 10.3 x 38mm off load switching
- Complied to: IEC 60269-3-1
- Rated Voltage: gL/gG 240V/500V a.c.
- Maximum Fuse rating: 32A
- Rated duty: AC22B
- Fuse switch std.: IEC 60947-3

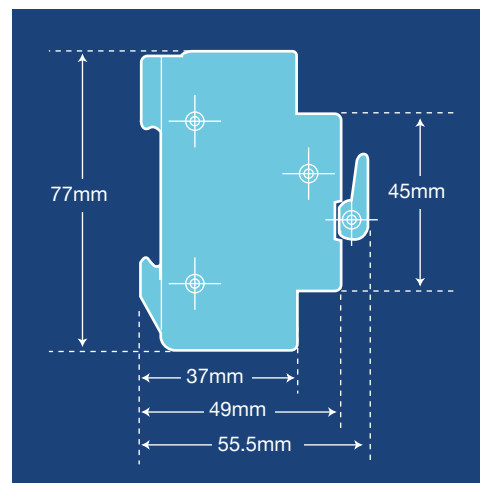
Connection:

Top: tunnel terminal

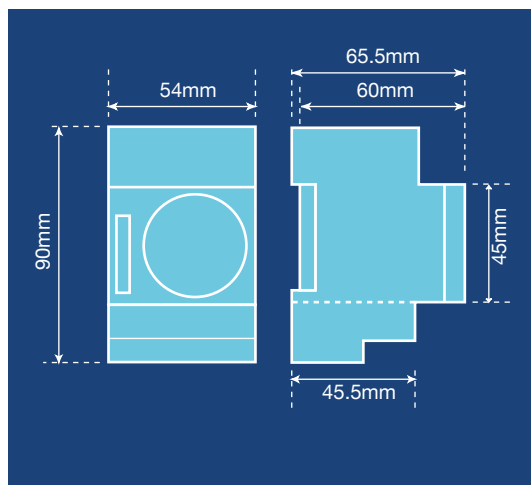
Bottom: to use either wire or fork type com-busbar

Connection Capacity:
1 to 16mm² rigid conductor
1 to 10mm² flexible conductor

Comb-busbar:
max. 4mm thickness



Designation	Current Rating (Amps)	Pack Qty.	Cat. No.	
Single pole	20A (Fuse 2A-20A)	12	FC201	
	32A (Fuse 32A)	12	FC321	
1 pole & neutral	20A (Fuse 2A-20A)	5	FC201N	
	32A (Fuse 32A)	5	FC321N	
Triple pole	20A (Fuse 2A-20A)	3	FC203	
	32A (Fuse 32A)	3	FC323	



Description:

Programming of a circuit by hour on a main supply in commercial premise with supply failure reserve

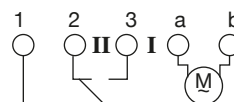
Technical data:

- 24 hours dial operating with power reserve
- Rated Voltage: 240V/250V
- Rating: 16A, 250V a.c.
- Complied to DIN EN 50022 VDE 0633
- Operating Temperature: -10°C - +50°C
- Motor: synchronous / self starting
- Available also the 7 day dial
- With changeover

Connection:

- Suitable for both din-rail mounting and wall mounting (wall mounting base included)

Designation	Minimum Setting	Pack Qty.	Cat. No.
2 module type	30 min (approx. 250 hours battery reserve)	1	SUL 181H



AC CONTACTOR LNC 1-20



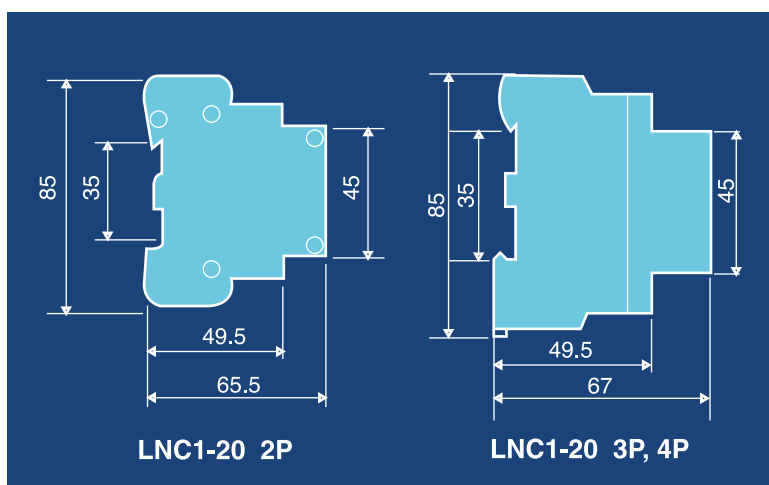
INTRODUCTION

LNC 1-20, LNC 1-63 AC CONTACTOR is mainly designed for AC 50Hz or 60Hz circuits with 240V rated operating voltage.

In AC-7a usage, rated operating voltage up to 240V, rated operating current up to 63A, it functions as long distance breaking and circuit controlling. This product is mainly used for remote switching of power circuits & control of electrical equipments such as lighting circuits, motor and etc. (for low inductive loading applications).

TECHNICAL DATA

- Ambient temperature: -5°C to +40°C, the average temperature should not more than +35°C in 24 hours working condition.
- Rated voltage: 240/415V~



Designation	Current Rating (Amps)	Pack Qty.	Cat. No.
Double pole	20A (1 Module)	1/10	LNCI-220
	40A (2 Module)	1/6	LNCI-240
	63A (2 Module)	1/6	LNCI-263
Triple pole	25A (2 Module)	1/6	LNCI-325
	40A (3 Module)	1/4	LNCI-340
	63A (3 Module)	1/4	LNCI-363
Four pole	25A (2 Module)	1/6	LNCI-425
	40A (3 Module)	1/4	LNCI-440
	63A (3 Module)	1/4	LNCI-463



MINI CONTACTOR LNC 1-20

Four Pole 30A 100 R2040-230



Metalclad Distribution Board

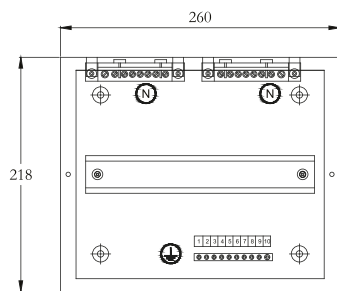
Din-Rail Type



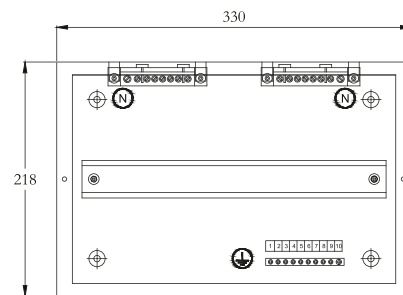
METALCLAD DISTRIBUTION EMPTY BOX (DIN-RAIL) S-Series

INCOMING: MCB, SWITCH FUSE, ISOLATOR, FUSE CARRIER

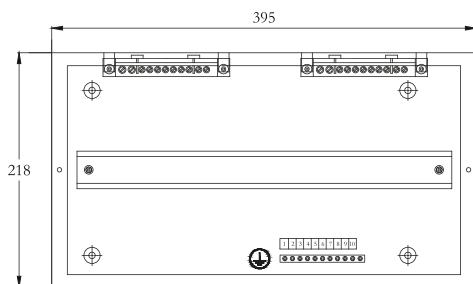
MODEL NO.	DESCRIPTION	DIMENSION (mm)		
		W	H	D
S-10	1 Row 10 Ways	260	218	110
S-15	1 Row 15 Ways	330	218	110
S-18	1 Row 18 Ways	395	218	110
S-24	1 Row 24 Ways	496	218	110



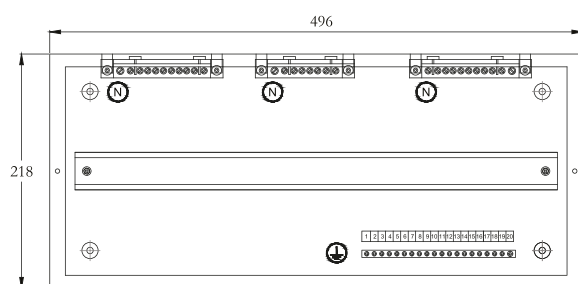
S-10



S-15



S-18

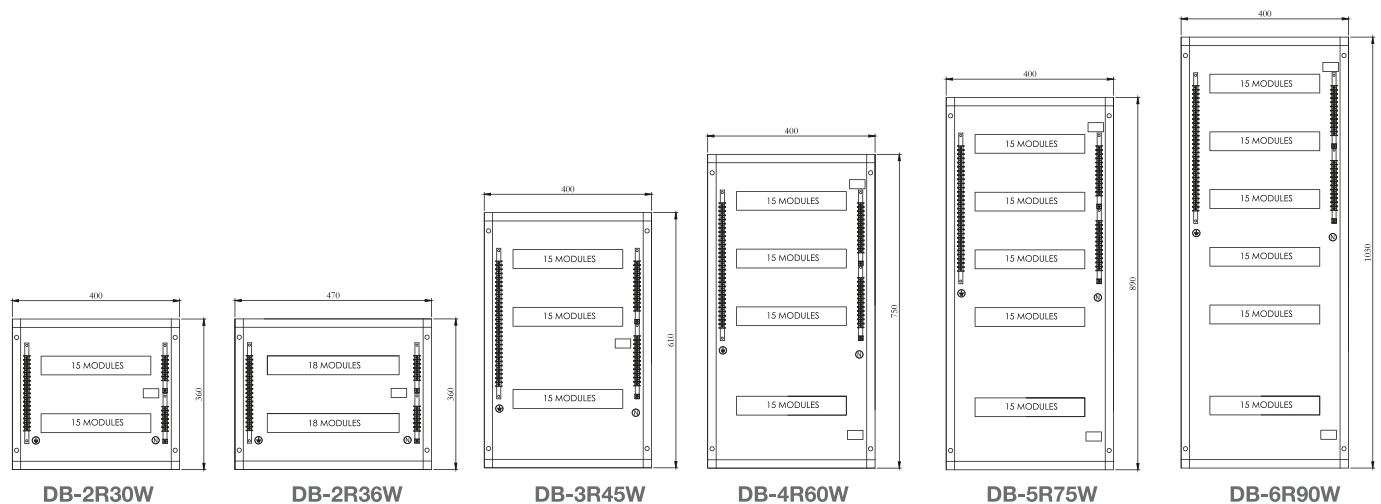


S-24

METALCLAD DISTRIBUTION EMPTY BOX (DIN-RAIL) V-Series

INCOMING: MCB, SWITCH FUSE, ISOLATOR, FUSE CARRIER

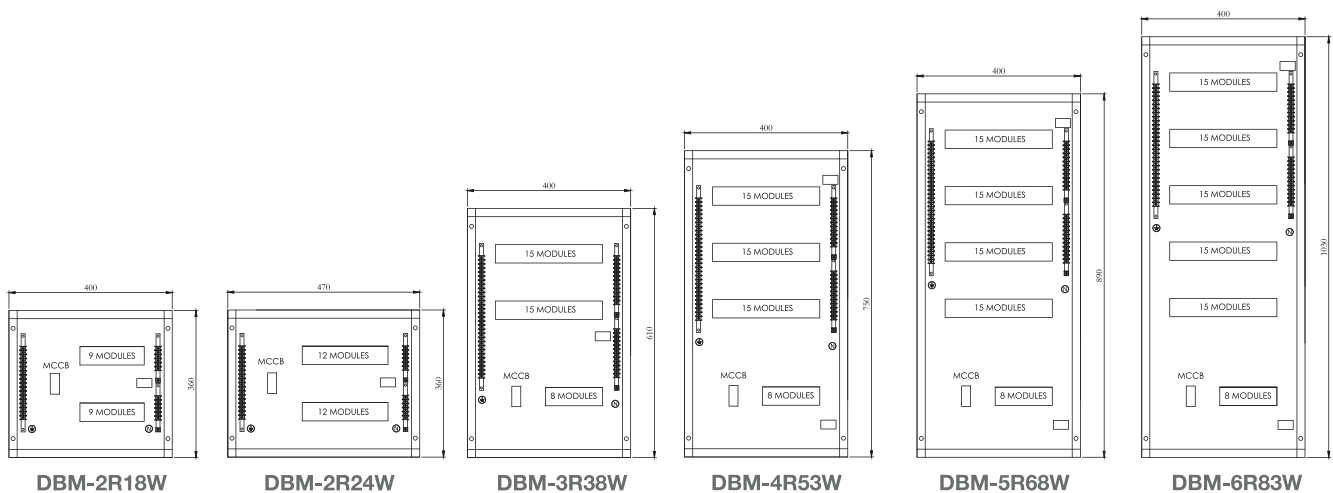
MODEL NO.	DESCRIPTION	DIMENSION (mm)		
		W	H	D
DB-2R30W	2 Row 30 Ways	400	360	125
DB-2R36W	2 Row 36 Ways	470	360	125
DB-3R45W	3 Row 45 Ways	400	610	125
DB-4R60W	4 Row 60 Ways	400	750	125
DB-5R75W	5 Row 75 Ways	400	890	125
DB-6R90W	6 Row 90 Ways	400	1030	125



METALCLAD DISTRIBUTION EMPTY BOX (DIN-RAIL) CV-Series

INCOMING: MCCB

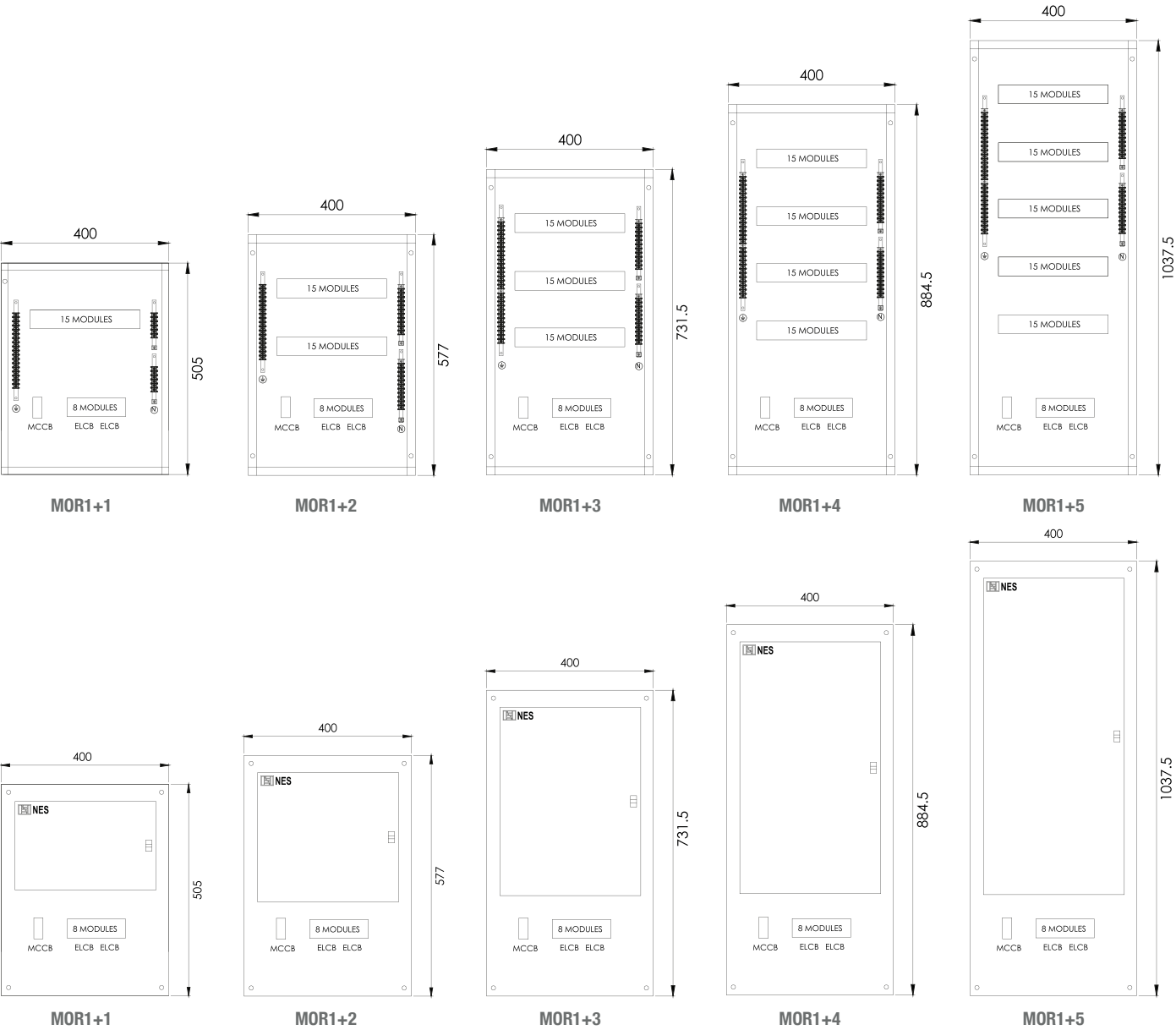
MODEL NO.	DESCRIPTION	DIMENSION (mm)		
		W	H	D
DBM-2R18W	2 Row 18 Ways	400	360	125
DBM-2R24W	2 Row 24 Ways	470	360	125
DBM-3R38W	3 Row 38 Ways	400	610	125
DBM-4R53W	4 Row 53 Ways	400	750	125
DBM-5R68W	5 Row 68 Ways	400	890	125
DBM-6R83W	6 Row 83 Ways	400	1030	125



**METALCLAD
DISTRIBUTION BOARD
(DIN-RAIL TYPE) MOR-Series**
INCOMING: MCCB



MODEL NO.	DESCRIPTION	DIMENSION (mm)		
		W	H	D
MOR1+1	(1+1) x 15	400	505	94
MOR1+2	(1+2) x 15	400	577	94
MOR1+3	(1+3) x 15	400	731.5	94
MOR1+4	(1+4) x 15	400	884.5	94
MOR1+5	(1+5) x 15	400	1037.5	94

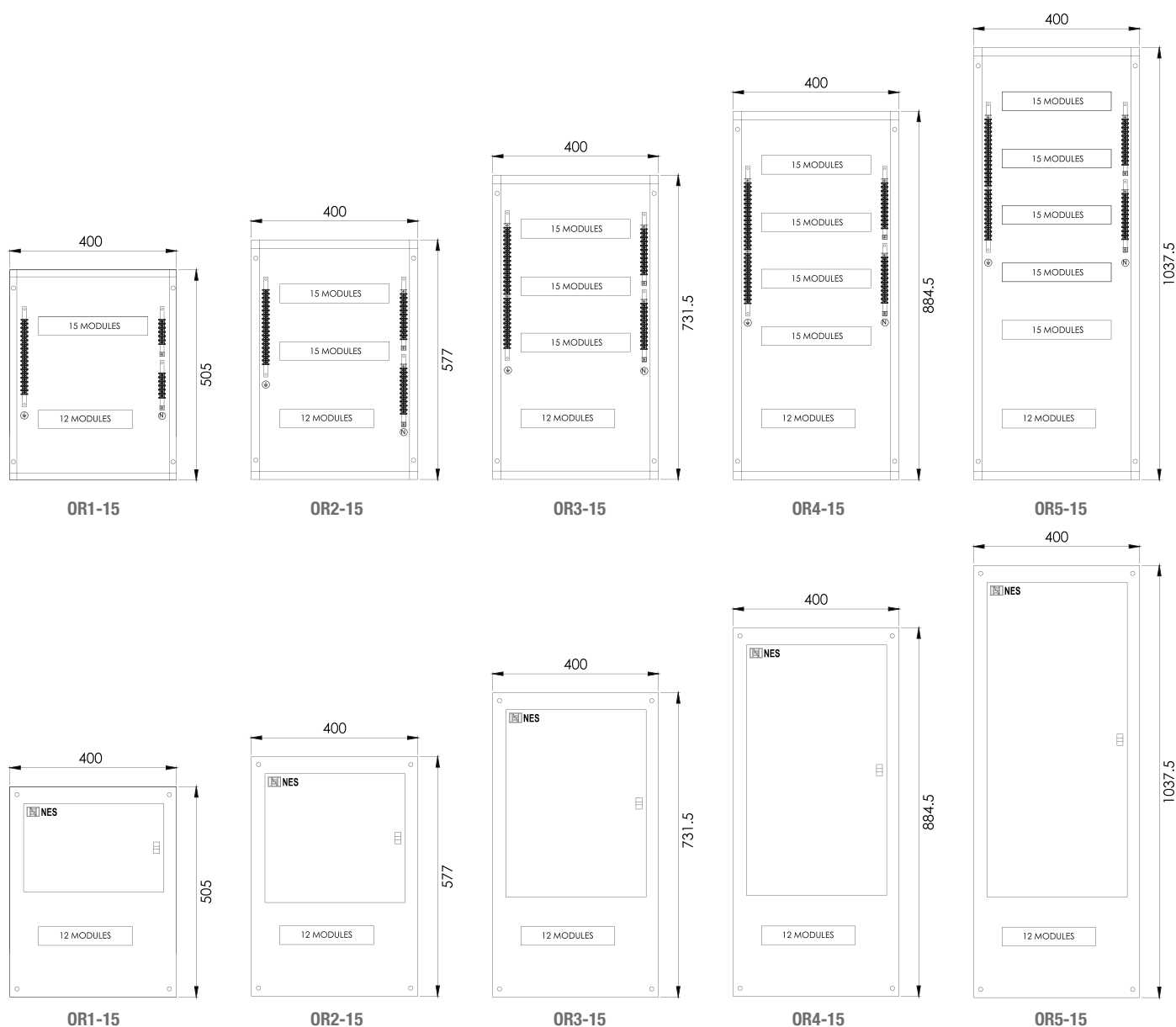


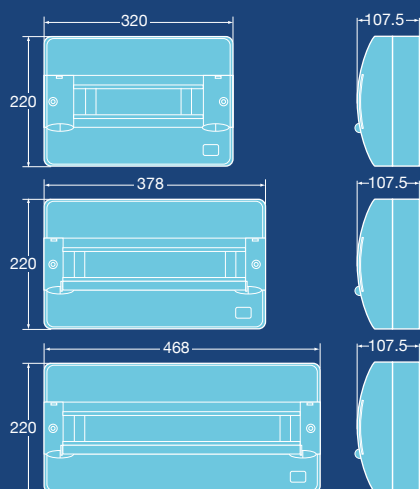
METALCLAD DISTRIBUTION BOARD (DIN-RAIL TYPE) OR-Series

INCOMING: MCB, SWITCH FUSE, ISOLATOR



MODEL NO.	DESCRIPTION	DIMENSION (mm)		
		W	H	D
OR1-15	1 x 15	400	505	94
OR2-15	2 x 15	400	577	94
OR3-15	3 x 15	400	731.5	94
OR4-15	4 x 15	400	884.5	94
OR5-15	5 x 15	400	1037.5	94





Description:

Protection of user against contact with live parts and to provide a protective and stylish solution to house unsightly cable & wiring.

Approval:

- SIRIM Type Tested

Technical data:

- Available in single & 3 phase
- Max. Load: 63A
- Max. Operating Voltage: 240/415V a.c.
- Frequency: 50Hz
- Degree of Protection: min IP30
- IEC 60439-3 (fire retardant material upon request)
- High Impact, UV Resistant Polycarbonate for the transparent lid.

Connection:

- Surface mounting
- Ample wiring space
- Simple to break cable entries or knock-out

Incoming	Ways	Pack Qty.	Cat. No.
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MCB
Switch fuse
Isolator
Fuse carrier
(Single row)

☐ B
☐ K
☐ S
☐ F

8 - 12 ways

1

CU 12/63



MCB
Switch fuse
Isolator
Fuse carrier
(Single row)

☐ B
☐ K
☐ S
☐ F

13 - 17 ways

1

CU 16/63



MCB
Switch fuse
Isolator
Fuse carrier
(Single row)

☐ B
☐ K
☐ S
☐ F

18 - 22 ways

1

CU 22/63

Surge Arrester

Surge Protective Device



Description:

Protection of circuit and equipment from voltage surges caused by lightning strikes.

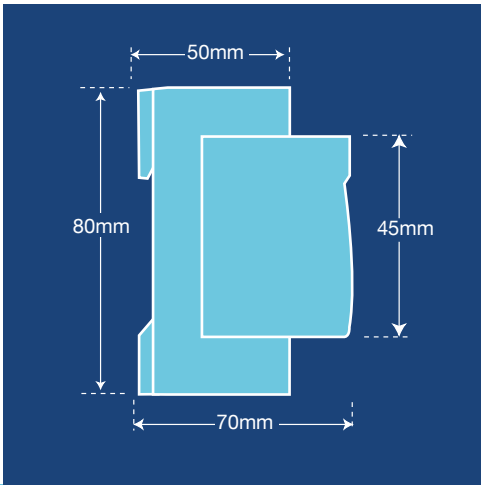
Technical data:

- Test class 2: Type 2
- SPD Disconnect: Both (Internal & External)
- Protection Function: Thermal & overcurrent
- Max continuous operating voltage, U_c : 385VAC
- Nominal discharge current, I_n : 20kA
- Voltage protection level, U_p : 1800V

- Rated Frequency: 50Hz
- Mode of protection: L - N, L - E, N - E

Connection:

- Suitable for both din-rail mounting and wall mounting (wall mounting base included)
- Cable Size: Min: 4mm²
Max: 25mm²



Designation	Max. discharge Current. I_n	Pack Qty.	Cat. No.	
2 module type	40 kA	1	BY7 - 40/2	
4 module type	40 kA	1	BY7 - 40/4	
4 module type	60 kA	1	BY7 - 60/4	

NF 100-WE / NF 100-WS

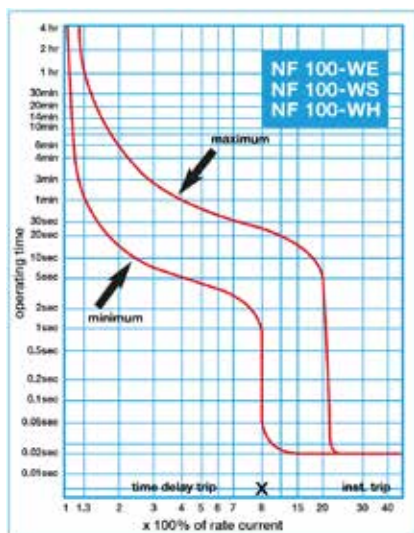
MOULDED CASE CIRCUIT BREAKER

Application

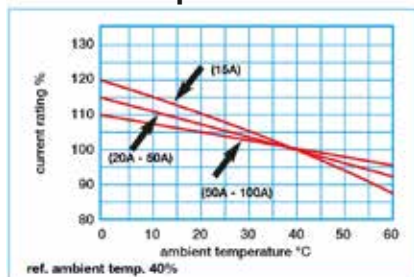
NF moulded case circuit breaker is available in three ranges; standard, hi-break. The performance of the NF-WE / WS MCCB range is the result of extensive design and development-utilising AAD accredited test station. The current limiting action of NF-WE / WS MCCBs provides low values of let-through energy. Full information for this and time/current characteristic curves as shown below.



Characteristic Curve



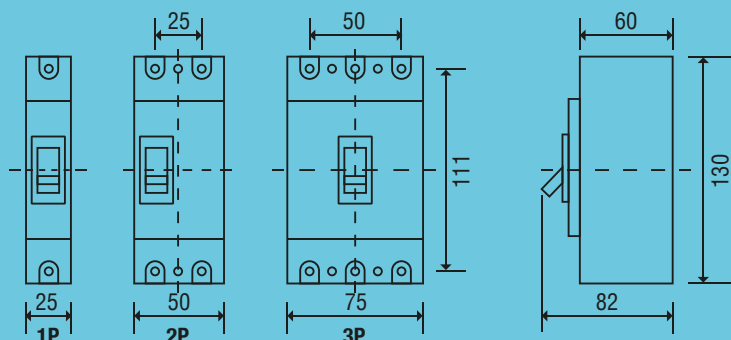
Ambient Compensation



Specification

Type	NF 100-WE	NF 100-WS
Rated current I_n (A)	15, 20, 30, 40, 50, 60, 75, 100	
Ambient temperature	40°C & 55°C	
No. of Pole (P)	1P / 2P / 3P	1P / 2P / 3P
Isolation applicability	YES	
Impulse voltage (U_{imp})	8kV 	
Utilization category	Cat A	
Pollution degree	Pol 3	
Reference standard	IEC60947-2 / IEC60947-1	
Rated operating voltage U_e (V~)	240 & 415	
Rated insulational voltage U_i (V~)	690V~	
Tripping Method	Thermal (Bimetal) Magnetic trip device	
Weight (Kg)	0.28 / 0.46 / 0.66	0.28 / 0.46 / 0.66
$I_{cs} = I_{cu}$	10kA	25kA

Dimensions (mm)



NF 100-WH

MOULDED CASE CIRCUIT BREAKER



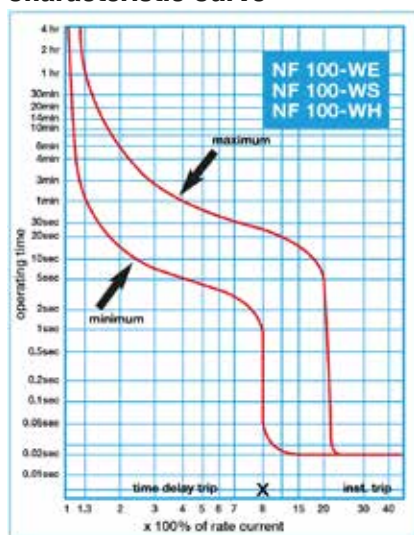
Application

NF moulded case circuit breaker is available in three ranges; standard, hi-break. The performance of the NF-WH MCCB range is the result of extensive design and development-utilising AAD accredited test station. The current limiting action of NF-WH MCCBs provides low values of let-through energy. Full information for this and time/current characteristic curves as shown below.

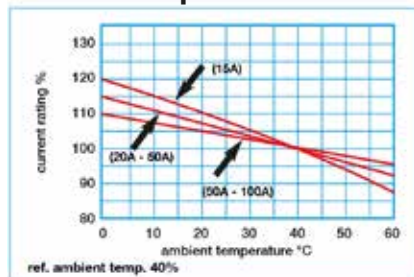


2 Pole

Characteristic Curve



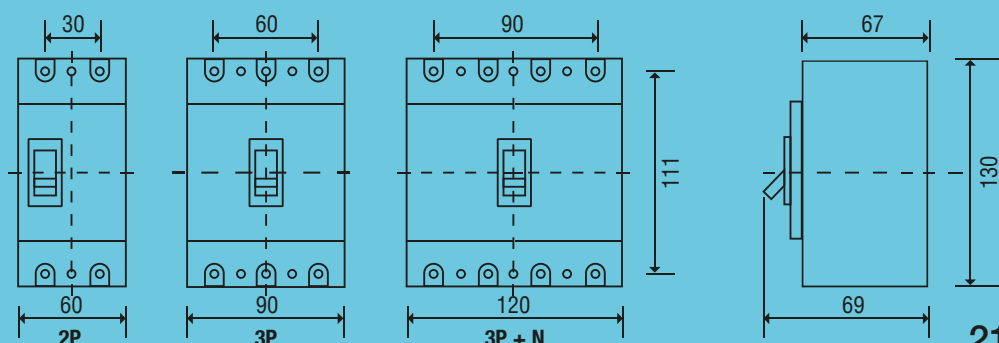
Ambient Compensation



Specification

Type	NF 100-WH
Rated current I_n (A)	15, 20, 30, 40, 50, 60, 75, 100
Ambient temperature	40°C & 55°C
No. of Pole (P)	2P / 3P / 3P+N
Isolation applicability	YES
Impulse voltage (U_{imp})	8kV $\text{---} \text{---} \text{---}$
Utilization category	Cat A
Pollution degree	Pol 3
Reference standard	IEC60947-2 / IEC60947-1
Rated operating voltage U_e (V~)	240 & 415
Rated insulational voltage U_i (V~)	690V~
Tripping Method	Thermal (Bimetal) Magnetic trip device
Weight (Kg)	0.57 / 0.86 / 1.12
$I_{cs} = I_{cu}$	50kA

Dimensions (mm)



NF 250-WS / NF 250-WH MOULDED CASE CIRCUIT BREAKER

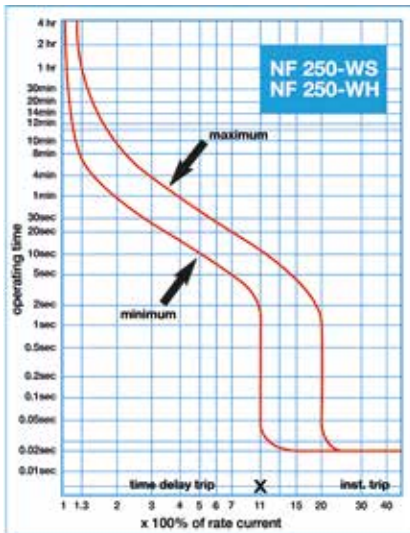
Application

NF moulded case circuit breaker is available in three ranges; standard, hi-break. The performance of the NF-WS / WH MCCB range is the result of extensive design and development-utilising AAD accredited test station. The current limiting action of NF-WS / WH MCCBs provides low values of let-through energy. Full information for this and time/current characteristic curves as shown below.

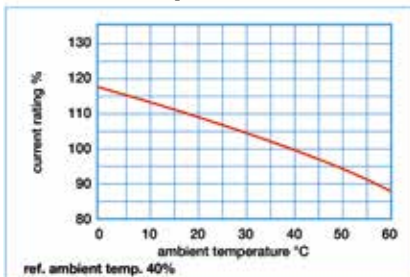


NF 250-WH

Characteristic Curve



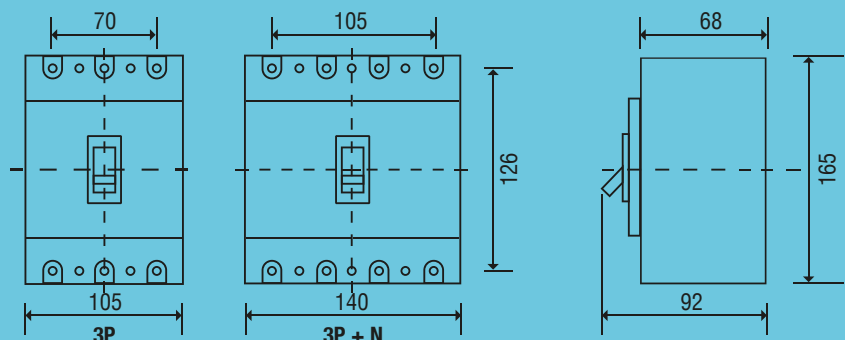
Ambient Compensation



Specification

Type	NF 250-WS	NF 250-WH
Rated current I_n (A)	125, 150, 175, 200, 225, 250	
Ambient temperature	40°C & 55°C	
No. of Pole (P)	3P / 3P+N	
Isolation applicability	YES	
Impulse voltage (U_{imp})	8kV 	
Utilization category	Cat A	
Pollution degree	Pol 3	
Reference standard	IEC60947-2 / IEC60947-1	
Rated operating voltage U_e (V~)	415	
Rated insulational voltage U_i (V~)	690V~	
Tripping Method	Thermal (Bimetal) Magnetic trip device	
Weight (Kg)	1.37 / 1.76	1.37 / 1.76
$I_{cs} = I_{cu}$	25kA	50kA

Dimensions (mm)



NF 400-WS / NF 400-WH

MOULDED CASE CIRCUIT BREAKER



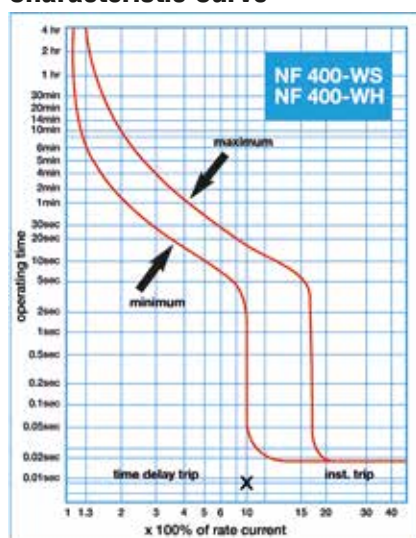
Application

NF moulded case circuit breaker is available in three ranges; standard, hi-break. The performance of the NF-WS / WH MCCB range is the result of extensive design and development-utilising AAD accredited test station. The current limiting action of NF-WS / WH MCCBs provides low values of let-through energy. Full information for this and time/current characteristic curves as shown below.

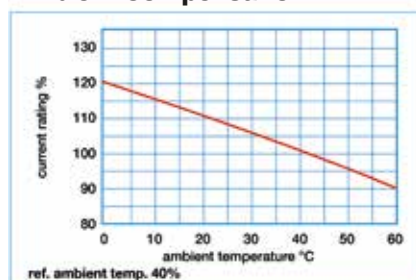


NF 400-WH

Characteristic Curve



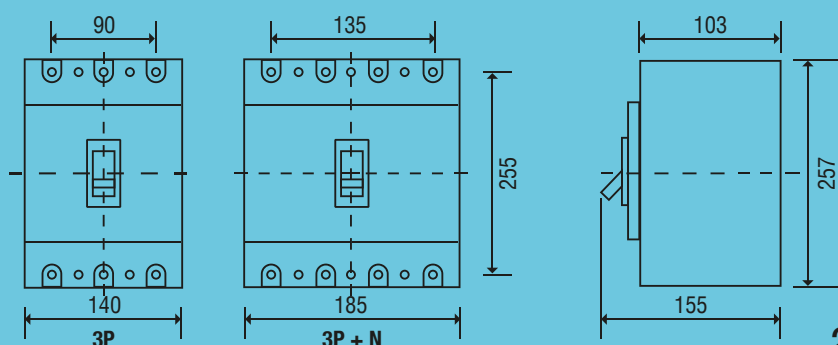
Ambient Compensation



Specification

Type	NF 400-WS	NF 400-WH
Rated current I_n (A)	250, 300, 350, 400	
Ambient temperature	40°C & 55°C	
No. of Pole (P)	3P / 3P+N	
Isolation applicability	YES	
Impulse voltage (U_{imp})	8kV $\text{---} \text{---} \text{---}$	
Utilization category	Cat A	
Pollution degree	Pol 3	
Reference standard	IEC60947-2 / IEC60947-1	
Rated operating voltage U_e (V~)	415	
Rated insulational voltage U_i (V~)	690V~	
Tripping Method	Thermal (Bimetal) Magnetic trip device	
Weight (Kg)	4.6 / 6.1	4.6 / 6.1
$I_{cs} = I_{cu}$	25kA	50kA

Dimensions (mm)

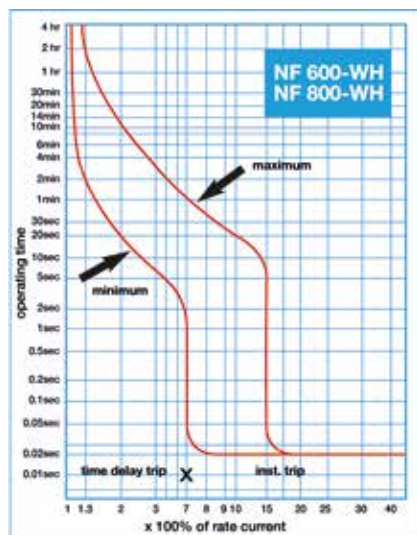


NF 600-WH / NF 800-WH MOULDED CASE CIRCUIT BREAKER

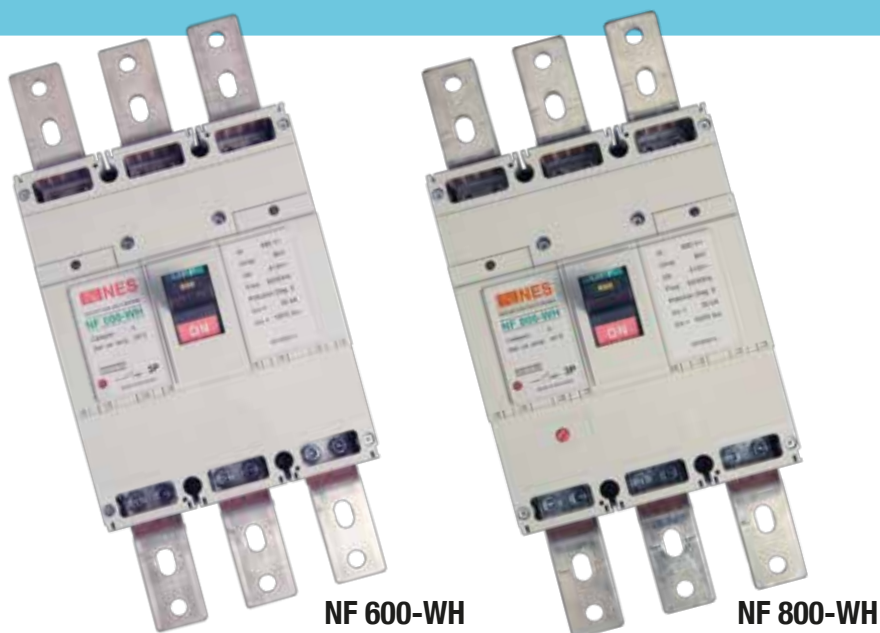
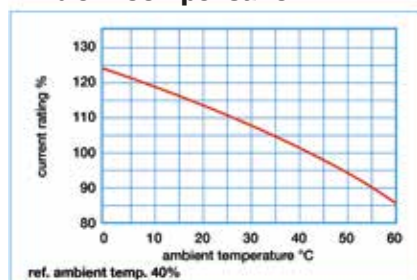
Application

NF moulded case circuit breaker is available in three ranges; standard, hi-break. The performance of the NF-WH MCCB range is the result of extensive design and development-utilising AAD accredited test station. The current limiting action of NF-WH MCCBs provides low values of let-through energy. Full information for this and time/current characteristic curves as shown below.

Characteristic Curve



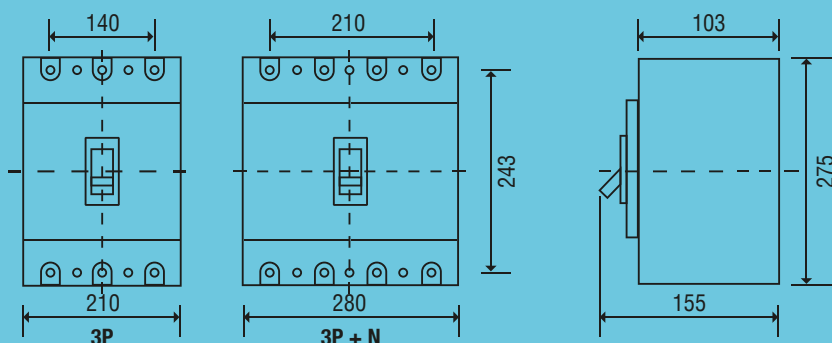
Ambient Compensation



Specification

Type	NF 600-WH	NF 800-WH
Rated current I_n (A)	500, 600	700, 800
Ambient temperature	40°C & 55°C	
No. of Pole (P)	3P / 3P+N	
Isolation applicability	YES	
Impulse voltage (U_{imp})	8kV 	
Utilization category	Cat A	
Pollution degree	Pol 3	
Reference standard	IEC60947-2 / IEC60947-1	
Rated operating voltage U_e (V~)	415	
Rated insulational voltage U_i (V~)	690V~	
Tripping Method	Thermal (Bimetal) Magnetic trip device	
Weight (Kg)	8.34 / 11.12	9.27 / 12.36
$I_{cs} = I_{cu}$	50kA	

Dimensions (mm)



NF 1200-WH

MOULDED CASE CIRCUIT BREAKER



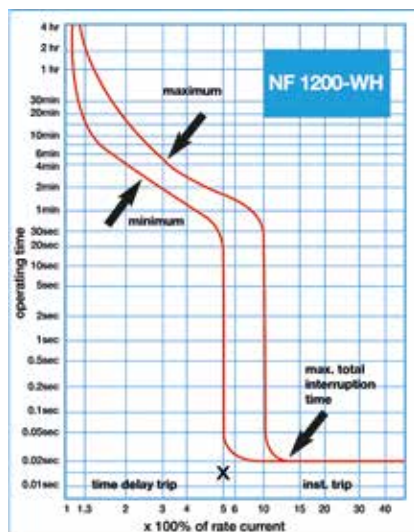
Application

NF moulded case circuit breaker is available in three ranges; standard, hi-break. The performance of the NF-WH MCCB range is the result of extensive design and development-utilising AAD accredited test station. The current limiting action of NF-WH MCCBs provides low values of let-through energy. Full information for this and time/current characteristic curves as shown below.

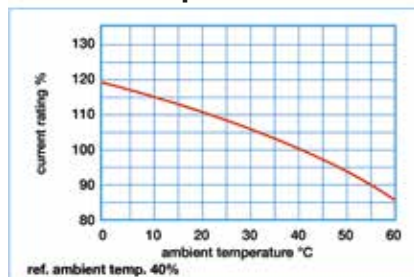


NF 1200-WH

Characteristic Curve



Ambient Compensation



Specification

Type	NF 1200-WH
Rated current I_n (A)	1000, 1200
Ambient temperature	40°C & 55°C
No. of Pole (P)	3P / 3P+N
Isolation applicability	YES
Impulse voltage (U_{imp})	8kV $\text{---} \text{---} \text{---}$
Utilization category	Cat A
Pollution degree	Pol 3
Reference standard	IEC60947-2 / IEC60947-1
Rated operating voltage U_e (V~)	415
Rated insulational voltage U_i (V~)	690V~
Tripping Method	Thermal (Bimetal) Magnetic trip device
Weight (Kg)	26 / 35
$I_{cs} = I_{cu}$	50kA

Dimensions (mm)

