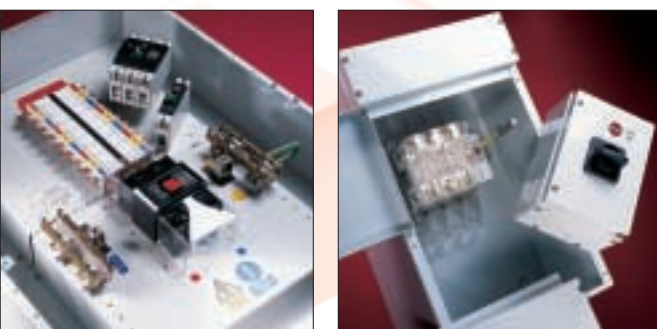




Circuit
Protection
2003



Founded in 1897, Wylex introduced the first 'consumer unit' to the electrical industry, this original design was the forerunner to the 'Standard Range', which is still in wide use today. From its base at Wythenshawe, through a policy of continuous design improvement, Wylex has developed a comprehensive range of Domestic, Commercial and Industrial circuit protection devices based on quality and close attention to the practical requirements of the contractor including the fundamental requirements of electrical safety embodied in the relevant British and International Standards including IEE Wiring Regulations.



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NH808



MAIN SWITCH
FOR ALL CIRCUITS
TOTAL LOAD NOT TO EXCEED 100A

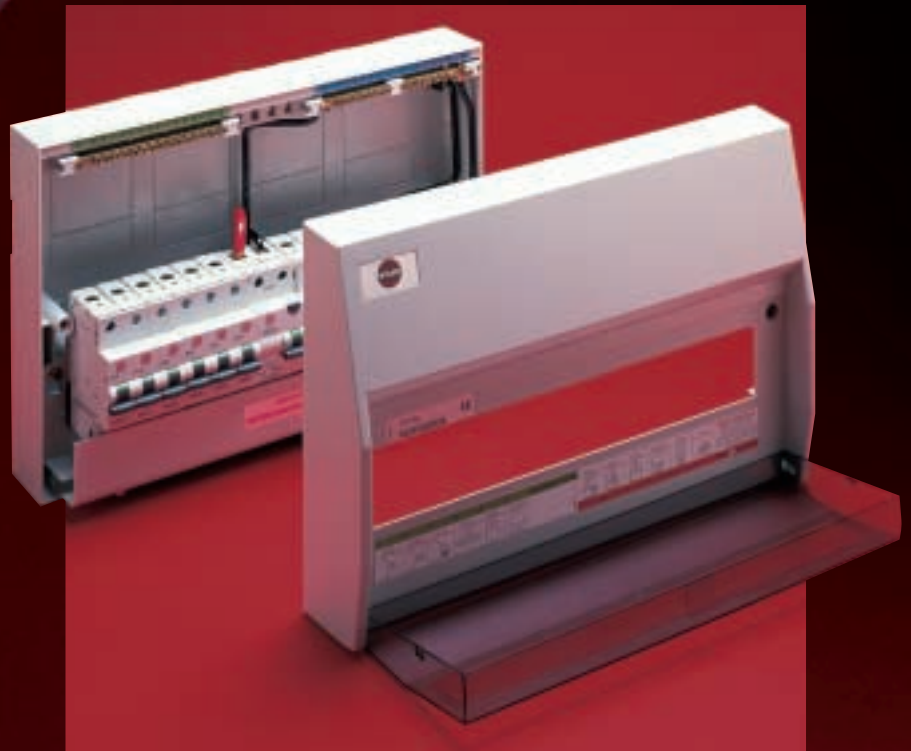


10 16 20 25 32 40 50 63
RCD

THE NH RANGE

The NH range of consumer units provides a contemporary styling with particular attention to installation features including:

- Generous cable preparation room with neutral and earth bars mounted on the top of the enclosure
- Supplied complete with incoming devices and fixed busbar system for speedy installation
- Insulated versions with side entry cut outs profiled to accept mini trunking and large segmented rear cable entries to allow trimming to the precise cable entry size
- Raised interior for maximum wiring space
- Circuit identification labels providing clear understanding of outgoing ways



CUSTOM BUILT

To meet the ever changing requirements and designs of the modern electrical installation, Wylex offers a service where the standard range of products can be modified to specific customer needs.

Our technical services and engineering teams can assess the feasibility of a product requirement whilst our modern manufacturing facilities will produce a high quality competitive solution.



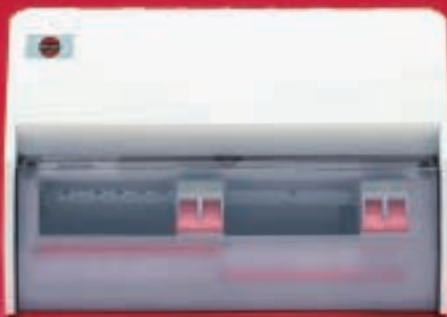
NH804



NHRS504



NH804+3



NHIIIX6604

MAIN SWITCH

CAT REF	MS RATING	MCB WAYS
NH204/40	40A	2
NH204/63	63A	2
NH504	100A	5
NH804	100A	8
NH1104	100A	11
NH1404	100A	14
NH1904	100A	19

RCD INCOMER

CAT REF	RCD RATING	MCB WAYS
NHRS204/40	40A 30mA	2
NHRS204/63	63A 30mA	2
NHRS504	100A 30mA	5
NHRS804	100A 30mA	8
NHRS1104	100A 30mA	11
NHRS1404	100A 30mA	14
NHRS1904	100A 30mA	19
NHRM204/40	40A 100mA	2
NHRM204/63	63A 100mA	2
NHRM504	100A 100mA	5
NHRM804	100A 100mA	8
NHRM1104	100A 100mA	11
NHRM1404	100A 100mA	14
NHRM1904	100A 100mA	19

MAIN SWITCH ISOLATOR WITH DIN RAIL ACCESSORY SECTION

CAT REF	MS RATING	MCB WAYS	NO OF MODULES
NH504+3	100A	5	3
NH804+3	100A	8	3
NH804+6	100A	8	6
NH1104+3	100A	11	3

RCD MAIN ISOLATOR WITH DIN RAIL ACCESSORY SECTION

CAT REF	RCD RATING	MCB WAYS	NO OF MODULES
NHRS504+3	100A 30mA	5	3
NHRS804+3	100A 30mA	8	3
NHRS804+6	100A 30mA	8	6
NHRS1104+3	100A 30mA	11	3
NHRM504+3	100A 100mA	5	3
NHRM804+3	100A 100mA	8	3
NHRM804+6	100A 100mA	8	6
NHRM1104+3	100A 100mA	11	3

DUAL TARIFF 100A MAIN SWITCH AND 100A MAIN SWITCH

CAT REF	MS RATING	MCB WAYS	MS RATING	MCB WAYS
NHIIIX5404	100A	4	100A	5
NHIIIX4504	100A	5	100A	4
NHIIIX7504	100A	5	100A	7
NHIIIX6604	100A	6	100A	6
NHIIIX5704	100A	7	100A	5
NHIIIX9804	100A	8	100A	9
NHIIIX8904	100A	9	100A	8

DUAL TARIFF 100A MAIN SWITCH AND 100A 30mA RCD MAIN SWITCH

CAT REF	MS RATING	MCB WAYS	RCD RATING	MCB WAYS
NHRSX5704	100A	7	100A 30mA	5
NHRSX6604	100A	6	100A 30mA	6
NHRSX7504	100A	5	100A 30mA	7
NHRSX8904	100A	9	100A 30mA	8
NHRSX9804	100A	8	100A 30mA	9

DIN RAIL ONLY ACCESSORY ENCLOSURE

CAT REF	MCB WAYS	CAT REF	MCB WAYS
NH4ED4	4	NH13ED4	13
NH7ED4	7	NH16ED4	16
NH10ED4	10	NH21ED4	21



NHRS4504



NHRS6604



NHSTM4504

SPLIT LOAD

CAT REF	MS RATING	MCB WAYS	RCD RATING	MCB WAYS
NHRS2404	100A	4	80A 30mA	2
NHRS3304	100A	3	80A 30mA	3
NHRS4204	100A	2	80A 30mA	4
NHRS5404	100A	4	80A 30mA	5
NHRS4504	100A	5	80A 30mA	4
NHRS3604	100A	6	80A 30mA	3
NHRS6304	100A	3	80A 30mA	6
NHRS3904	100A	9	80A 30mA	3
NHRS4804	100A	8	80A 30mA	4
NHRS6604	100A	6	80A 30mA	6
NHRS5704	100A	7	80A 30mA	5
NHRS7504	100A	5	80A 30mA	7
NHRS8404	100A	4	80A 30mA	8
NHRS9304	100A	3	80A 30mA	9
NHRS12504	100A	5	80A 30mA	12
NHRS11604	100A	6	80A 30mA	11
NHRS10704	100A	7	80A 30mA	10
NHRS61104	100A	11	80A 30mA	6
NHRS71004	100A	10	80A 30mA	7
NHRS9804	100A	8	80A 30mA	9
NHRS8904	100A	9	80A 30mA	8
NHRS51204	100A	12	80A 30mA	5

SPLIT LOAD WITH DIN RAIL ACCESSORY SECTION

CAT REF	MS RATING	MCB WAYS	RCD RATING	MCB WAYS	NO OF MODULES
NHRS6504+6	100A	5	80A 30mA	6	6
NHRS5604+6	100A	6	80A 30mA	5	6
NHRS7704+3	100A	7	80A 30mA	7	3
NHRS8604+3	100A	6	80A 30mA	8	3
NHRS6804+3	100A	8	80A 30mA	6	3

SPLIT LOAD WITH TIME DELAY RCD INCOMER

CAT REF	TD RCD	MCB WAYS	RCD RATING	MCB WAYS
NHSTM3604	100A 100mA	6	80A 30mA	3
NHSTM4504	100A 100mA	5	80A 30mA	4
NHSTM5404	100A 100mA	4	80A 30mA	5
NHSTM6304	100A 100mA	3	80A 30mA	6
NHSTM3904	100A 100mA	9	80A 30mA	3
NHSTM4804	100A 100mA	8	80A 30mA	4
NHSTM5704	100A 100mA	7	80A 30mA	5
NHSTM6604	100A 100mA	6	80A 30mA	6
NHSTM7504	100A 100mA	5	80A 30mA	7
NHSTM8404	100A 100mA	4	80A 30mA	8
NHSTM9304	100A 100mA	3	80A 30mA	9
NHSTM12504	100A 100mA	5	80A 30mA	12
NHSTM11604	100A 100mA	6	80A 30mA	11
NHSTM8904	100A 100mA	9	80A 30mA	8
NHSTM9804	100A 100mA	8	80A 30mA	9
NHSTM10704	100A 100mA	7	80A 30mA	10
NHSTM71004	100A 100mA	10	80A 30mA	7
NHSTM61104	100A 100mA	11	80A 30mA	6
NHSTM51204	100A 100mA	12	80A 30mA	5



NH Insulated Range





NH806

MAIN SWITCH

CAT REF	MS RATING	MCB WAYS
NH206/40	40A	2
NH206/63	63A	2
NH506	100A	5
NH806	100A	8
NH1106	100A	11
NH1406	100A	14
NH1906	100A	19



NHRS1106

RCD INCOMER

CAT REF	RCD RATING	MCB WAYS
NHRS206/40	40A 30mA	2
NHRS206/63	63A 30mA	2
NHRS506	100A 30mA	5
NHRS806	100A 30mA	8
NHRS1106	100A 30mA	11
NHRS1406	100A 30mA	14
NHRS1906	100A 30mA	19
NHRM206/40	40A 100mA	2
NHRM206/63	63A 100mA	2
NHRM506	100A 100mA	5
NHRM806	100A 100mA	8
NHRM1106	100A 100mA	11
NHRM1406	100A 100mA	14
NHRM1906	100A 100mA	19



NHRS4506

SPLIT LOAD

CAT REF	MS RATING	MCB WAYS	RCD RATING	MCB WAYS
NHRS2406	100A	4	80A 30mA	2
NHRS3306	100A	3	80A 30mA	3
NHRS4206	100A	2	80A 30mA	4
NHRS5406	100A	4	80A 30mA	5
NHRS4506	100A	5	80A 30mA	4
NHRS3606	100A	6	80A 30mA	3
NHRS6306	100A	3	80A 30mA	6
NHRS3906	100A	9	80A 30mA	3
NHRS4806	100A	8	80A 30mA	4
NHRS6606	100A	6	80A 30mA	6
NHRS5706	100A	7	80A 30mA	5
NHRS7506	100A	5	80A 30mA	7
NHRS8406	100A	4	80A 30mA	8
NHRS9306	100A	3	80A 30mA	9
NHRS12506	100A	5	80A 30mA	12
NHRS11606	100A	6	80A 30mA	11
NHRS10706	100A	7	80A 30mA	10
NHRS61106	100A	11	80A 30mA	6
NHRS71006	100A	10	80A 30mA	7
NHRS9806	100A	8	80A 30mA	9
NHRS8906	100A	9	80A 30mA	8
NHRS51206	100A	12	80A 30mA	5

For Dual RCD insulated consumer units see page 8



NHRS6606



Flush mounting consumer units available to order.
Suffix Catalogue Reference with /FLU ie: **NHRS6606/FLU**



NHII X4506



NHSTM6606



NH806+3



NH13ED6

DUAL TARIFF 100A MAIN SWITCH & 100A MAIN SWITCH

CAT REF	MS RATING	MCB WAYS	MS RATING	MCB WAYS
NHII X4506	100A	5	100A	4
NHII X5406	100A	4	100A	5
NHII X7506	100A	5	100A	7
NHII X6606	100A	6	100A	6
NHII X5706	100A	7	100A	5
NHII X9806	100A	8	100A	9
NHII X8906	100A	9	100A	8

DUAL TARIFF 100A MAIN SWITCH & 100A 30mA RCD SWITCH

CAT REF	MS RATING	MCB WAYS	RCD RATING	MCB WAYS
NHR SX5706	100A	7	100A 30mA	5
NHR SX6606	100A	6	100A 30mA	5
NHR SX7506	100A	5	100A 30mA	7
NHR SX8906	100A	9	100A 30mA	8
NHR SX9806	100A	8	100A 30mA	9

100mA available to order

SPLIT LOAD WITH TIME DELAY RCD INCOMER

CAT REF	TD RCD RATING	MCB WAYS	RCD RATING	MCB WAYS
NHSTM3606	100A 100mA	6	80A 30mA	3
NHSTM4506	100A 100mA	5	80A 30mA	4
NHSTM5406	100A 100mA	4	80A 30mA	5
NHSTM6306	100A 100mA	3	80A 30mA	6
NHSTM3906	100A 100mA	9	80A 30mA	3
NHSTM4806	100A 100mA	8	80A 30mA	4
NHSTM5706	100A 100mA	7	80A 30mA	5
NHSTM6606	100A 100mA	6	80A 30mA	6
NHSTM7506	100A 100mA	5	80A 30mA	7
NHSTM8406	100A 100mA	4	80A 30mA	8
NHSTM9306	100A 100mA	3	80A 30mA	9
NHSTM12506	100A 100mA	5	80A 30mA	12
NHSTM11606	100A 100mA	6	80A 30mA	11
NHSTM8906	100A 100mA	9	80A 30mA	8
NHSTM9806	100A 100mA	8	80A 30mA	9
NHSTM10706	100A 100mA	7	80A 30mA	10
NHSTM71006	100A 100mA	10	80A 30mA	7
NHSTM61106	100A 100mA	11	80A 30mA	6
NHSTM51206	100A 100mA	12	80A 30mA	5

DIN RAIL ONLY ACCESSORY ENCLOSURE

CAT REF	MCB WAYS
NH4ED6	4
NH7ED6	7
NH10ED6	10
NH13ED6	13
NH16ED6	16
NH21ED6	21

MAIN SWITCH ISOLATOR WITH DIN RAIL ACCESSORY SECTION

CAT REF	MS RATING	MCB WAYS	NO of MODULE WAYS
NH506+3	100A	5	3
NH806+3	100A	8	3
NH806+6	100A	8	6
NH1106+3	100A	11	3

RCD MAIN ISOLATOR WITH DIN RAIL ACCESSORY SECTION

CAT REF	RCD RATING	MCB WAYS	No of MODULE WAYS
NHRS506+3	100A 30mA	5	3
NHRS806+3	100A 30mA	8	3
NHRS806+6	100A 30mA	8	6
NHRS1106+3	100A 30mA	11	3

SPLIT LOAD WITH DIN RAIL ACCESSORY SECTION

CAT REF	MS RATING	MCB WAYS	RCD RATING	MCB WAYS	No of MODULE WAYS
NHRS5606+6	100A	5	80A 30mA		6
NHRS7706+3	100A	7	80A 30mA		7

100mA available to order

Flush mounting consumer units available to order.
Suffix Catalogue Reference with /FLU ie: **NHRS6606/FLU**





NHDIS1414

NOTE
ADDITIONAL CONFIGURATIONS ARE AVAILABLE.
FOR FURTHER INFORMATION, PLEASE CONTACT OUR
TECHNICAL SERVICES DEPARTMENT.



NHISS5504



FALNS1106



METAL – SPLIT LOAD DUPLEX

CAT REF	TOP BANK		BOTTOM BANK	
	MS RATING	MCB WAYS	RCD RATING	MCB WAYS
NHDIS88	100A	8	80A 30mA	8
NHDIS1111	100A	11	80A 30mA	11
NHDIS1414	100A	14	80A 30mA	14
NHDIS1919	100A	19	80A 30mA	19
NHDTMS88	100A 100mA TD	8	80A 30mA	8
NHDTMS1111	100A 100mA TD	11	80A 30mA	11
NHDTMS1414	100A 100mA TD	14	80A 30mA	14
NHDTMS1919	100A 100mA TD	19	80A 30mA	19

METAL – DUAL TARIFF DUPLEX

CAT REF	TOP BANK		BOTTOM BANK	
	MS RATING	MCB WAYS	MS/RCD RATING	MCB WAYS
NHDIIX88	100A	8	100A	8
NHDIIX1111	100A	11	100A	11
NHDIIX1414	100A	14	100A	14
NHDIIX1919	100A	19	100A	19
NHDISX88	100A	8	100A 30mA	8
NHDISX1111	100A	11	100A 30mA	11
NHDISX1414	100A	14	100A 30mA	14
NHDISX1919	100A	19	100A 30mA	19
NHDSSX88	100A 30mA	8	100A 30mA	8
NHDSSX1111	100A 30mA	11	100A 30mA	11
NHDSSX1414	100A 30mA	14	100A 30mA	14
NHDSSX1919	100A 30mA	19	100A 30mA	19

METAL – DUAL SPLIT LOAD RCD*

CAT REF	ISOLATOR RATING	TOTAL No of MCB WAYS	A		B	
			RCD RATING	MCB WAYS	MS RATING	MCB WAYS
NHISS4606	100A	10	80A 30mA	6	80A 30mA	4
NHISS5506	100A	10	80A 30mA	5	80A 30mA	5
NHISS7806	100A	15	80A 30mA	8	80A 30mA	7
NHISS8706	100A	15	80A 30mA	7	80A 30mA	8

INSULATED – DUAL SPLIT LOAD RCD*

CAT REF	ISOLATOR RATING	TOTAL No of MCB WAYS	A		B	
			RCD RATING	MCB WAYS	MS RATING	MCB WAYS
NHISS5504	100A	10	80A 30mA	5	80A 30mA	5
NHISS8704	100A	15	80A 30mA	7	80A 30mA	8

SKELETON UNITS

CAT REF	DESCRIPTION
FALNS706	7 way with main switch
FALNSEM706	7 way with 100A 100mA RCD main switch
FALNSES706	7 way with 100A 30mA RCD main switch
FALNS1106	11 way with main switch
FALNSEM1106	11 way with 100A 100mA RCD main switch
FALNSES1106	11 way with 100A 30mA RCD main switch
FALNSES4606	10 way split load 4 way RCD protected
FALNSES5506	10 way split load 5 way RCD protected
FALNSES6406	10 way split load 6 way RCD protected
FALNSIIX4606	10 way dual tariff 4/6 split
FALNSIIX5506	10 way dual tariff 5/5 split
FALNSIIX6406	10 way dual tariff 6/4 split

*100mA RCD available in either 'A' or 'B' section to order
Flush mounting consumer units available to order.
Suffix Catalogue Reference with /FLU ie: **NHRS6606/FLU**



NSB06 NSB10 NSB16 NSB20 NSB32 NSB40 NSB50



NSC05 NSC10 NSC20 NSC30 NSC45



NSBS32/1 NSBS32/2



MDT2 MSTU6011S



MESB-20 MESB-24

NSB MINIATURE CIRCUIT BREAKERS (6KA)

CAT REF	RATING	POLES	MODULE
NSB06	6A	1	1
NSB10	10A	1	1
NSB16	16A	1	1
NSB20	20A	1	1
NSB32	32A	1	1
NSB40	40A	1	1
NSB50	50A	1	1

NSC MODULAR CARTRIDGE FUSE HOLDERS WITH FUSE

CAT REF	RATING	POLES	MODULE
NSC05	5A	1	1
NSC10	10A	1	1
NSC15	15A	1	1
NSC20	20A	1	1
NSC30	30A	1	1
NSC35	35A	1	2
NSC40	40A	1	2
NSC45	45A	1	2

SPARE FUSES

CAT REF	RATING
CFL05	5A
CFL10	10A
CFL15	15A
CFL20	20A
CFL30	30A
CFL35	35A
CFL40	40A
CFL45	45A

NSBS COMBINED MCB/RCD UNITS (C CURVE)

CAT REF	CURRENT RATING	RCD RATING	POLES	MODULES
NSBS6/2	6A	30mA	2P	2
NSBS10/2	10A	30mA	2P	2
NSBS16/2	16A	30mA	2P	2
NSBS20/2	20A	30mA	2P	2
NSBS32/2	32A	30mA	2P	2
NSBS40/2	40A	30mA	2P	2
NSBS6/1*	6A	30mA	SP	1
NSBS10/1*	10A	30mA	SP	1
NSBS16/1*	16A	30mA	SP	1
NSBS20/1*	20A	30mA	SP	1
NSBS32/1*	32A	30mA	SP	1
NSBS40/1*	40A	30mA	SP	1

*NH Units only

DIN RAIL MODULAR DEVICES

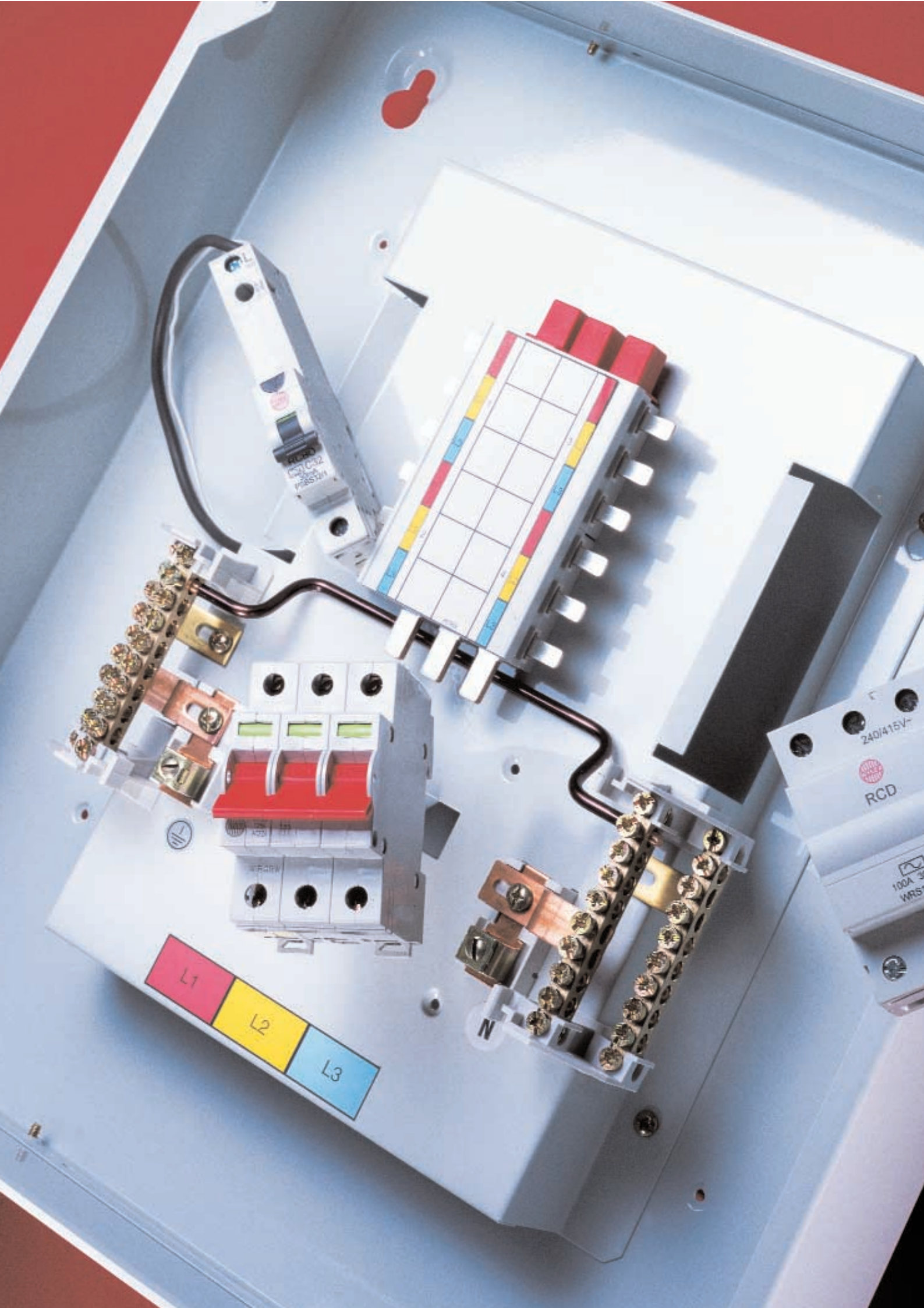
CAT REF	PRODUCT	MODULE
ME232-230	Staircase timer	1
ME251-230	Latching relay with 1-N/O contact	1
ME256-230	Latching relay with 1-N/CX 1-N/O contact	1
MDT2	Digital time clock 1 channel 1xNO/NC contact 16A	1
MSTT-111	Digital time clock 1 channel 1xNO contact 16A	2
MESB-20	20A 2 pole contactor	1
MESB-24	24A 4 pole contactor	2
MESB-40	40A 4 pole contactor	3
MESB-63	63A 4 pole contactor	3
MTS8	Bell transformer	2
MSTU6011S	Disc type time clock 1 channel 1xNC contact 16A	3
MSTU8011S	Disc type time clock 1 channel 1xNC contact 16A	3
MAT1	Disc type time clock 1 channel 1xNO contact 16A	1

When wiring in NH Consumer Units contact Wylex technical services department

NH ACCESSORIES

CAT REF	PRODUCT
NH00	Blanking plate
MCBLDX	MCB locking device
EIU	Cable gland kit
DLDX	Isolator locking device
WPL	Padlock for DLDX & HLDX





L1
L2
L3

240/415V
RCD
100A 3P
WRS

10kV
AC25
111
100A 3P
WRS

C632
100A 3P
WRS

NH DISTRIBUTION BOARDS

The Wylex range of NH distribution Boards is designed to cater for a variety of industrial and commercial applications.

The range of boards is complemented by a wide variety of incoming options including direct connection, switch disconnect, RCD, or moulded case circuit breaker, and a broad selection of MCBs and RCBOs rated 6kA or 10kA.

This comprehensive collection of circuit protection and distribution products allows the contractor to select the most economical and electrically appropriate solutions.

- All metal enclosures for both A Boards and B Boards
- Two frame sizes 125A and 200A B Boards
- Choice of incoming devices including Switch Disconnect, RCDs, MCCBs or Direct Connection
- B Boards accept four pole incomers
- Over 250 different boards available from standard catalogue items
- Removable pan assembly and gland plates for easy fixing and cable entry
- Split neutral bars help make full use of interior space and keep all terminals accessible
- Range of 10kA and 6kA MCBs and RCBOs
- Single pole 18mm wide RCBOs





NHSN8

TYPE 'A' SP & N WITHOUT INCOMER

CAT REF	TERMINAL RATING	NO. OF SP WAYS
NHSN5	100A	5
NHSN8	100A	8
NHSN11	100A	11
NHSN14	100A	14
NHSN16	100A	16

TYPE 'A'- MULTI SERVICE COMBINATION UNIT

CAT REF	ISOLATOR RATING	NO. OF SINGLE DIN MODULES	NO. OF SP WAYS
NH8+3	100A	3	8
NH8+6	100A	6	8

Suitable for use with switch disconnector; RCD or Direct connection incomer arrangement



NHSN8

TP & N TYPE 'B' DISTRIBUTION BOARDS

CAT REF	DESCRIPTION	NO. OF TP WAYS
NHTN4	125A Distribution board Excluding incomer	4
NHTN6	125A Distribution board Excluding incomer	6
NHTN8	125A Distribution board Excluding incomer	8
NHTN12	125A Distribution board Excluding incomer	12
NHTN16	125A Distribution board Excluding incomer	16
NHTN20	125A Distribution board Excluding incomer	20
NHTN24	125A Distribution board Excluding incomer	24

Suitable for use with switch disconnector; RCD or direct connection incomer arrangement

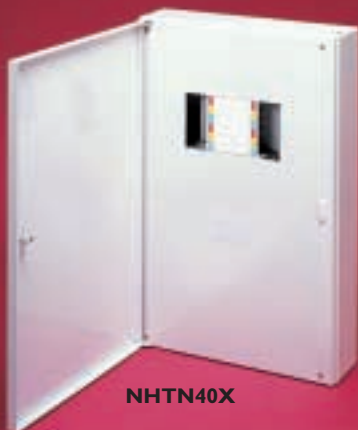


NHTN40

TP & N TYPE 'B' DISTRIBUTION BOARDS

CAT REF	DESCRIPTION	NO. OF TP WAYS
NHTN40	200A Distribution board Excluding incomer	4
NHTN60	200A Distribution board Excluding incomer	6
NHTN80	200A Distribution board Excluding incomer	8
NHTN120	200A Distribution board Excluding incomer	12
NHTN160	200A Distribution board Excluding incomer	16
NHTN200	200A Distribution board Excluding incomer	20
NHTN240	200A Distribution board Excluding incomer	24

Suitable for switch disconnector; or direct connection incomer arrangement



NHTN40X

TP & N TYPE 'B' DISTRIBUTION BOARDS

CAT REF	DESCRIPTION	NO. OF TP WAYS
NHTN40X	200A Distribution board Excluding incomer	4
NHTN60X	200A Distribution board Excluding incomer	6
NHTN80X	200A Distribution board Excluding incomer	8
NHTN120X	200A Distribution board Excluding incomer	12
NHTN160X	200A Distribution board Excluding incomer	16
NHTN200X	200A Distribution board Excluding incomer	20
NHTN240X	200A Distribution board Excluding incomer	24

Suitable for MCCB and extension box incomer arrangement



WS102

WRS100/2

NH A BOARD INCOMERS

CAT REF	DESCRIPTION	RATING
WS602	2 Pole 2 module switch	63A
WS102	2 Pole 2 module switch	100A
WS122	2 Pole 2 module switch	125A
WRS63/2	Double Pole RCD	63A 30mA
WRS80/2	Double Pole RCD	80A 30mA
WRS100/2	Double Pole RCD	100A 30mA
WRM63/2	Double Pole RCD	63A 100mA
WRM80/2	Double Pole RCD	80A 100mA
WRM100/2	Double Pole RCD	100A 100mA
WRL63/2	Double Pole RCD	63A 300mA
WRL100/2	Double Pole RCD	100A 300mA
WRMT100/2	Double Pole Time Delay RCD	100A 100mA
NHDPDC	Double Pole direct connection	100A



WS123

WRS100/4

NH B BOARD INCOMERS

CAT REF	DESCRIPTION	RATING
WS603	3 Pole 3 module switch	63A
WS103	3 Pole 3 module switch	100A
WS123	3 Pole 3 module switch	125A
WS604	4 Pole 4 module switch*	63A
WS104	4 Pole 4 module switch*	100A
WS124	4 Pole 4 module switch*	125A
WRS63/4	Four Pole RCD*	63A 30mA
WRS100/4	Four Pole RCD*	100A 30mA
WRM63/4	Four Pole RCD*	63A 100mA
WRM100/4	Four Pole RCD*	100A 100mA
WRL63/4	Four Pole RCD*	63A 300mA
WRL100/4	Four Pole RCD*	100A 300mA
WRMT100/4	Four Pole Time Delay RCD*	100A 100mA
NHRCDKIT	RCD Incomer Connection Kit*	100A
NH200TPI	Triple Pole switch disconnecter	200A
NHLMCCBINC	Triple Pole MCCB and extension box	200A
NHTPDC	Four Pole direct connection	125A
NH200DC	Four Pole direct connection	200A
NHSPAK	Single phase adaptor kit	125A

* RCD Incomers require RCD Incomer connection Kit. REF, NHRCDKIT
All RCDs featured on Page 28



NHLMCCBINC

ACCESSORIES

CAT REF	DESCRIPTION
NHEP11	Replacement gland plate
PS00	Way blank (2 x half module)
PSBL1	Way blank (single module)
PSBL3	Way blank (3 module)
MCBLDX	Locking device for MCB
WPL	Padlock for MCBLDX
PSDL	Standard Door Lock
PDDPL	Doorlock with padlocking device
WDH-1	Document wallet



MCBLDX

WPL

NHEP11



PSB06-B PSB32-B PSB63-B

SINGLE POLE MCBs

RATING	POLES	B CURVE	C CURVE	D CURVE
6A 6kA	1	NSB06-B	NSB06-C	NSB06-D
10A 6kA	1	NSB10-B	NSB10-C	NSB10-D
16A 6kA	1	NSB16-B	NSB16-C	NSB16-D
20A 6kA	1	NSB20-B	NSB20-C	NSB20-D
32A 6kA	1	NSB32-B	NSB32-C	NSB32-D
40A 6kA	1	NSB40-B	NSB40-C	NSB40-D
50A 6kA	1	NSB50-B	NSB50-C	NSB50-D
63A 6kA	1	NSB63-B	NSB63-C	NSB63-D
6A 10kA	1	PSB06-B	PSB06-C	PSB06-D
10A 10kA	1	PSB10-B	PSB10-C	PSB10-D
16A 10kA	1	PSB16-B	PSB16-C	PSB16-D
20A 10kA	1	PSB20-B	PSB20-C	PSB20-D
32A 10kA	1	PSB32-B	PSB32-C	PSB32-D
40A 10kA	1	PSB40-B	PSB40-C	PSB40-D
50A 10kA	1	PSB50-B	PSB50-C	PSB50-D
63A 10kA	1	PSB63-B	PSB63-C	PSB63-D



PSB206-B PSB232-B

TWO POLE MCBs

RATING	POLES	B CURVE	C CURVE	D CURVE
6A 10kA	2	PSB206-B	PSB206-C	PSB206-D
10A 10kA	2	PSB210-B	PSB210-C	PSB210-D
16A 10kA	2	PSB216-B	PSB216-C	PSB216-D
20A 10kA	2	PSB220-B	PSB220-C	PSB220-D
32A 10kA	2	PSB232-B	PSB232-C	PSB232-D
40A 10kA	2	PSB240-B	PSB240-C	PSB240-D
50A 10kA	2	PSB250-B	PSB250-C	PSB250-D
63A 10kA	2	PSB263-B	PSB263-C	PSB263-D



PSB306-B PSB332-B

TRIPLE POLE MCBs

RATING	POLES	B CURVE	C CURVE	D CURVE
6A 6kA	3	NSB306-B	NSB306-C	NSB306-D
10A 6kA	3	NSB310-B	NSB310-C	NSB310-D
16A 6kA	3	NSB316-B	NSB316-C	NSB316-D
20A 6kA	3	NSB320-B	NSB320-C	NSB320-D
32A 6kA	3	NSB332-B	NSB332-C	NSB332-D
40A 6kA	3	NSB340-B	NSB340-C	NSB340-D
50A 6kA	3	NSB350-B	NSB350-C	NSB350-D
63A 6kA	3	NSB363-B	NSB363-C	NSB363-D
6A 10kA	3	PSB306-B	PSB306-C	PSB306-D
10A 10kA	3	PSB310-B	PSB310-C	PSB310-D
16A 10kA	3	PSB316-B	PSB316-C	PSB316-D
20A 10kA	3	PSB320-B	PSB320-C	PSB320-D
32A 10kA	3	PSB332-B	PSB332-C	PSB332-D
40A 10kA	3	PSB340-B	PSB340-C	PSB340-D
50A 10kA	3	PSB350-B	PSB350-C	PSB350-D
63A 10kA	3	PSB363-B	PSB363-C	PSB363-D



SINGLE MODULE RCBO - FOR USE IN NH DISTRIBUTION BOARDS

RATING	POLES		C CURVE	
6A	6kA	1	30mA	NSBS6/1
10A	6kA	1	30mA	NSBS10/1
16A	6kA	1	30mA	NSBS16/1
20A	6kA	1	30mA	NSBS20/1
32A	6kA	1	30mA	NSBS32/1
40A	6kA	1	30mA	NSBS40/1
6A	10kA	1	30mA	PSBS6/1
10A	10kA	1	30mA	PSBS10/1
16A	10kA	1	30mA	PSBS16/1
20A	10kA	1	30mA	PSBS20/1
32A	10kA	1	30mA	PSBS32/1
40A	10kA	1	30mA	PSBS40/1
50A	10kA	1	30mA	PSBS50/1



ACCESSORIES

CAT REF	DESCRIPTION
MCBDLX	Locking device for MCB/RCBO
WPL	Padlock for MCBDLX
PS00	Way Blank - (2x Half Module)
PSBL3	Way Blank - 3 Module



TWO MODULE RCBO - NOT FOR USE IN NH DISTRIBUTION BOARDS

RATING	POLES		C CURVE	
6A	6kA	2	30mA	NSBS6/2
10A	6kA	2	30mA	NSBS10/2
16A	6kA	2	30mA	NSBS16/2
20A	6kA	2	30mA	NSBS20/2
32A	6kA	2	30mA	NSBS32/2
40A	6kA	2	30mA	NSBS40/2
6A	10kA	2	30mA	PSBS6/2
10A	10kA	2	30mA	PSBS10/2
16A	10kA	2	30mA	PSBS16/2
20A	10kA	2	30mA	PSBS20/2
32A	10kA	2	30mA	PSBS32/2
40A	10kA	2	30mA	PSBS40/2

For use in DIN Enclosures EG: NH ED Range or + Units



DIN RAIL MODULAR DEVICES

CAT REF	PRODUCT	MODULE
MDT2	Digital Timeclock 1 channel 1xNO/NC Contact 16A	1
MSTT-111	Digital Timeclock 1 channel 1xNO Contact 16A	1
MESB-20	20A DP Contactor	1
MESB-24	24A 4 Pole Contactor	2
MESB-40	40A 4 Pole Contactor	3
MESB-63	63A 4 Pole Contactor	3

For use in DIN Enclosures EG: NH ED Range or + Units

NH125 MCCB PANELBOARDS

NH MCCB Panel Boards offer 250A or 400A fault rated, fully shrouded busbar systems in a modular enclosure system.

The 630mm wide enclosure system combined with MCCBs and a range of accessories, provides a competent flexible main or sub-main distribution board.

- MCCBs with 25kA fault breaking capacity
- 25A - 125A ratings
- 70mm² cable clamp terminals or 10mm flat bar
- Full Range of accessories including sealable terminal covers
- Fully shrouded bus bars
- Excellent access to N/E bars for cabling
- Full or partial lockable doors
- Fully conforms with BSEN 60943-1 form 2





NHPB6SW250

250A SWITCH DISCONNECT INCOMER

	OUTGOING WAYS	MODULAR HEIGHT	HEIGHT (mm)	CAT REF
250A	6	17	902	NHPB6SW250
	8	17	902	NHPB8SW250
	12	20	1060	NHPB12SW250

- BSEN 60439
- 250A Busbars
- Busbar fault rated 25kA-1 sec
- IP31 (41 with door) Ingress Protection
- Earth and neutral terminals for each SP way
- 630mm wide x 165mm deep
- 120 mm² 4 Core Max on Incoming Terminals
- 70 mm² 4 Core Max on Outgoing Terminals
- Fully assembled
- Complete with incomer



NHPB6CB200

200A MCCB INCOMER

	OUTGOING WAYS	MODULAR HEIGHT	HEIGHT (mm)	CAT REF
200A	6	17	902	NHPB6CB200
	8	17	902	NHPB8CB200
	12	20	1060	NHPB12CB200

- BSEN 60439
- 250A Busbars
- Busbar fault rated 25kA-1 sec
- IP31 (41 with door) Ingress Protection
- Earth and neutral terminals for each SP way
- 630mm wide x 165mm deep
- 120 mm² 4 Core Max on Incoming Terminals
- 70 mm² 4 Core Max on Outgoing Terminals
- Fully assembled
- Complete with incomer



NHFDK17

DOOR KITS

PANELBOARD	MODULAR HEIGHT	CAT REF
6/8 way	17	NHFDK17
12 way	20	NHFDK20

SPREADER BOX

PANELBOARD	MODULAR HEIGHT	HEIGHT (mm)	CAT REF
6/8/12 way	4	210	NHCSB





NHPB6SW400

400A SWITCH DISCONNECT INCOMER

	OUTGOING WAYS	MODULAR HEIGHT	HEIGHT (mm)	CAT REF
400A	6	20	1060	NHPB6SW400
	8	20	1060	NHPB8SW400
	12	23	1217	NHPB12SW400

- BSEN 60439
- 400A Busbars
- Busbar fault rated 25kA–1 sec
- IP31 (41 with door) Ingress Protection
- Earth and neutral terminals for each SP way
- 630mm wide x 165mm deep
- 240 mm² 4 Core Max on Incoming Terminals
- 70 mm² 4 Core Max on Outgoing Terminals
- Fully assembled
- Complete with incomer



NHPB6CB400

400A MCCB INCOMER

	OUTGOING WAYS	MODULAR HEIGHT	HEIGHT (mm)	CAT REF
400A	6	20	1060	NHPB6CB400
	8	20	1060	NHPB8CB400
	12	23	1217	NHPB12CB400

- Conforms to BSEN 60439
- 400A Busbars
- Busbar fault rated 25kA–1 sec
- IP31 (41 with door) Ingress Protection
- Earth and neutral terminals for each SP way
- 630mm wide x 165mm deep
- 240 mm² 4 Core Max on Incoming Terminals
- 70 mm² 4 Core Max on Outgoing Terminals
- Fully assembled
- Complete with incomer



NHFHDK20

DOOR KITS

PANELBOARD	MODULAR HEIGHT	CAT REF
6/8 way	20	NHFHDK20
12 way	23	NHCBDK15 NHINDK8

SPREADER BOX

PANELBOARD	MODULAR HEIGHT	HEIGHT (mm)	CAT REF
6/8/12 way	4	210	NHCSB



NHGPCB1001

NH SINGLE POLE MCCBS

- Conforms to BSEN 60947-2
- 16kA Icu at 240V ac
- Fixed magnetic
- Fixed thermal
- Double insulated
- Terminal Capacity 70mm²

RATING	CAT REF
25A	NHGPCB251
32A	NHGPCB321
40A	NHGPCB401
50A	NHGPCB501
63A	NHGPCB631
80A	NHGPCB801
100A	NHGPCB1001



NHGPCB633

NH THREE POLE MCCBS

- Conforms to BSEN 60947-2
- 25kA Icu at 415V ac
- Fixed magnetic
- Fixed thermal
- Double insulated
- Large range of accessories
- Terminal Capacity 70mm²

RATING	CAT REF
25A	NHGPCB253
32A	NHGPCB323
40A	NHGPCB403
50A	NHGPCB503
63A	NHGPCB633
80A	NHGPCB803
100A	NHGPCB1003
125A	NHGPCB1253



NHCB1TS

NHCB3TS

NH MCCBs ACCESSORIES

DESCRIPTION	CAT REF
Dolly and padlocking facility	NHPCBLDX
Padlock to fit	NHPCBPL
1P Terminal Shroud	NHPCB1TS
3P Terminal Shroud	NHPCB3TS
AUXILIARY EQUIPMENT	
Auxiliary Contacts	
1 x n.o./n.c. Volt Free	NHPCBAU1
2 x n.o./n.c. Volt Free	NHPCBAU2
MCB Blanking kit 3x TP Ways	3TPBP

NH FUSE-COMBINATION UNITS

NH Fuse combination units are designed with features that ensure full compliance with EN60947 while also providing an economical and high quality range of industrial switchgear products.

With ratings from 20A to 200A and a choice of single pole or three pole configurations, NH fuse combination units have a utilisation category of AC23A, and fused short circuit capacity of 80kA.

- Robust steel enclosures with cable glanding plate supplied top and bottom
- Removable door opens through 180° for ease of access
- Easy access fuse link fixings
- Fully rated neutral
- Fully shrouded terminals
- Handle padlocking facility locks switch & door in off position
- Large cable terminal capacity
- Ingress protection to IP4X
- Positive indication of On and Off





NHSPSF32

NH FUSE COMBINATION UNIT 20A-32A

20A	SP&N TP&N	supplied with 20A fuses	NHSPSF20 NHTPSF20
32A	SP&N TP&N	supplied with 32A fuses	NHSPSF32 NHTPSF32
Modular width			4
Terminals	20A-32A	10mm ² Max	Clamp Type
Spreading room	up to 10mm ² 4 Core *		



NHTPSF63

NH FUSE COMBINATION UNIT 63A-125A

63A	SP&N TP&N	supplied with 63A fuses	NHSPSF63 NHTPSF63
100A	SP&N TP&N	supplied with 100A fuses	NHSPSF100 NHTPSF100
125A	TP&N	supplied with 125A fuses	NHTPSF125
Accessories	Cable Spreader Box Copper Isolator Link Each		NHCSB2 NHCIL2
For use with 63A and 100A units			
Modular width			5
Terminals	63A-125A		M8
Spreading room	up to 70mm ² 4 Core *		
Cable lug palm size	22mm wide Maximum		



NHTPSF160

NH FUSE COMBINATION UNIT 160A-200A

160A	TP&N	no fuses supplied	NHTPSF160
200A	TP&N	no fuses supplied	NHTPSF200
Accessories	Cable Spreader Box Copper Isolator Link Each		NHCSB3 NHCIL3
For use with 125A-200A units			
Modular width			6
Terminals	160A-200A		M8
Spreading room	up to 150mm ² 4 Core *		
Cable lug palm size	22mm wide Maximum		

Fuse Combination Units Technical Specification

EN 60947-3	IEC 947-3
80kA RMS Fused Short Circuit Capacity	AC23A Utilisation Category
415V ac Rated Voltage	Full Uninterrupted Duty



NHSW63X

NH ISOLATOR SWITCHES STEEL ENCLOSURE

RATING	BOX SIZE	TP&N/SP&N
20A	1	NHSW320
32A	1	NHSW332
40A	1	NHSW340
63A*	1	NHSW363
63A*	2	NHSW363X
100A	2	NHSW3100
125A	2	NHSW3125

* Spreading Room is allowed for at one end only. To fit a 4 core cable at both ends an additional Cable spreader box will be required. Above 22mmV cable lugs terminal interphase barriers are required. 1 Module=52.5mm. Contact Wylex Technical Services department for details.





SWITCH OFF
BEFORE
HANDLING
FUSES

FUSE

OFF

45A 240V AC 50Hz AC21
BSS419 6277
CAT. NO. 104
MADE IN UK



100A 240V 50Hz AC21
CAT. NO. 110M BS 5419 1977
MADE IN UK



STANDARD RANGE

The Wylex Standard range of consumer units remains one of the most widely used ranges in domestic circuit protection applications.

Originally designed with fuses in mind, standard consumer units can easily be upgraded to current standards by using the plug in range of MCBs.

This time saving feature offers installers an economical alternative to full consumer unit replacement.

The range also includes SP&N switch fuses up to 100A allowing for submain circuit installation or system extensions/additions to be easily completed.





104

INSULATED-SWITCH FUSE

CAT REF	CURRENT RATING	NO. OF WAYS
104	45A	1
108	60A	1
145C	45A	1
160C	60A	1

'C' models supplied with cartridge fuse



204

INSULATED-MAIN SWITCH ISOLATOR

CAT REF	ISOLATOR RATING	NO. OF WAYS
204	45A	2
304	60A	3
404	60A	4
604	100A	6
804	100A	8



106

METAL-SWITCH FUSE

CAT REF	CURRENT RATING	NO. OF WAYS
106	45A	1
106RED	45A	1
108M	60A	1
145CM*	45A	1
160CM*	60A	1
110M/80*	80A	1
110M	100A	1

*Supplied complete with cartridge fuse



206

METAL-MAIN SWITCH ISOLATOR

CAT REF	ISOLATOR RATING	NO. OF WAYS
206	45A	2
306	45A	3
406	60A	4
606	100A	6
806	100A	8
1206	100A	12



MCBs

CAT REF	CURRENT RATING	CONTACT SHIELD COLOUR
B6	6A	WHITE
B10	10A	GREY
B16	16A	BLUE
B20	20A	YELLOW
B32	32A	RED
B40	40A	ORANGE



REWIRABLE FUSES

CAT REF	CURRENT RATING	CONTACT SHIELD COLOUR
R5	5A	WHITE
R15	15A	BLUE
R20	20A	YELLOW
R30	30A	RED



CARTRIDGE FUSES

CAT REF	CURRENT RATING	CONTACT SHIELD COLOUR
C5	5A	WHITE
C15	15A	BLUE
C20	20A	YELLOW
C30	30A	RED
C35	35A	ORANGE
C40	40A	ORANGE
C45	45A	GREEN

CAT REF	CURRENT RATING	
L45	45A	} for use with 108, 145 & 160 } type switch fuses
L60	60A	

CARTRIDGE FUSE LINKS

CAT REF	CURRENT RATING	CONTACT SHIELD COLOUR
CFL5	5A	WHITE
CFL10	10A	BLUE
CFL15	15A	BLUE
CFL20	20A	YELLOW
CFL30	30A	RED
CFL35	35A	ORANGE
CFL40	40A	ORANGE
CFL45	45A	GREEN

CARTRIDGE FUSE LINKS

CAT REF	CURRENT RATING	
LFL45	45A	} for use with L45 & L60 type } carriers
LFL60	60A	
LFL80	80A	} for use with 110M } units only
LFL100	100A	



ACCESSORIES

CAT REF	DESCRIPTION
FC	Spare cartridge fuse container
FWC	Fusewire card 1m 5A, 15A, 30A
M10	Blank shield for unused ways
WRF	RCD retrofit kit 30A 30mA





RCD

230V-

63A 30mA
WRS63/2

240/415V-

RCD

100A 30mA
WRS100/4

LIFELINE RANGE

The Lifeline range of residual current devices, rcd's provides valuable additional protection to almost any type of installation by detecting earth fault current below the level sensed by traditional overcurrent devices such as fuses or miniature circuit breakers.

One of the largest ranges available in the UK today offers other features which include:-

- Fully shrouded terminals
- Contact position indication on the dolly handle
- Both Type AC and Type A (DC sensitive) devices available
- Time delay versions available in 2 and 4 pole configurations
- A range of enclosures from IP20 upto IP65





WRS32/2

WRS80/2



WRS63/2

WRM100/2



WRS63/4

WRS100/4



WRS32/4

WRMT100/2

2 POLE RCDs – TYPE AC

CAT REF	RATED CURRENT	SENSITIVITY
WRS32/2	32A	30mA
WRS40/2	40A	30mA
WRM40/2	40A	100mA
WRS63/2	63A	30mA
WRM63/2	63A	100mA
WRL63/2	63A	300mA
WRS80/2	80A	30mA
WRM80/2	80A	100mA
WRS100/2	100A	30mA
WRM100/2	100A	100mA
WRL100/2	100A	300mA

2 POLE RCDs DC SENSITIVE – TYPE A

CAT REF	RATED CURRENT	SENSITIVITY
WRDVS16/2	16A	10mA
WRDVS32/2	32A	10mA
WRDS40/2	40A	30mA
WRDM40/2	40A	100mA
WRDS63/2	63A	30mA
WRDS80/2	80A	30mA
WRDS100/2	100A	30mA
WRDM100/2	100A	100mA

4 POLE RCDs – TYPE AC

CAT REF	RATED CURRENT	SENSITIVITY
WRS32/4	32A	30mA
WRS40/4	40A	30mA
WRM40/4	40A	100mA
WRL40/4	40A	300mA
WRS63/4	63A	30mA
WRM63/4	63A	100mA
WRL63/4	63A	300mA
WRS100/4	100A	30mA
WRM100/4	100A	100mA
WRL100/4	100A	300mA

4 POLE RCDs DC SENSITIVE – TYPE A

CAT REF	RATED CURRENT	SENSITIVITY
WRDS40/4	40A	30mA
WRDM40/4	40A	100mA
WRDS63/4	63A	30mA
WRDM63/4	63A	100mA
WRDS100/4	100A	30mA
WRDM100/4	100A	100mA

TIME DELAY UNITS (100ms)

CAT REF	DESCRIPTION	RATED CURRENT	SENSITIVITY
WRMT100/2	2P	100A	100mA
WRMT100/4	4P	100A	100mA



EE17 ESE2

2 POLE INSULATED ENCLOSURES

CAT REF	DESCRIPTION
ESE2L	General purpose enclosure (IP20) with earth connection link
EE17	General purpose enclosure (IP40)
ESE2	General purpose enclosure (IP40)
WBE3	All purpose enclosure (IP65)



ESM6 ESM7

2 POLE METAL ENCLOSURES

CAT REF	DESCRIPTION
ESM6	Fabricated steel enclosure (IP40)
ESM7	All purpose + visor (IP54)



EE18 ESI4

4 POLE INSULATED ENCLOSURES

CAT REF	DESCRIPTION
ESE4	General purpose enclosure (IP20)
ESE4L	General purpose enclosure (IP20)
ESI4	General purpose enclosure (IP40)*
EE18	General purpose enclosure (IP40)
WBE4	All purpose enclosure (IP65)

4 POLE METAL ENCLOSURES

CAT REF	DESCRIPTION
ESM8	General purpose (IP40)
ESM11	Hinged visor (IP54)
ESM12	Fabricated steel enclosure (IP40) Large
ESM13	All purpose + visor (IP54) Large

INSULATED ENCLOSURES

CAT REF	DESCRIPTION
EE11	IP55 8 module
EE12	IP55 12 module
EE14	IP41 8 module
EE15	IP41 12 module
EE16	IP41 24 module
EE17	IP40 2 module
EE19	IP40 6 module
EE20	IP40 8 module
EE21	IP40 12 module
EE22	IP40 24 module

ACCESSORIES FOR IP65 ENCLOSURES

CAT REF	DESCRIPTION
WBE3/EK	Earth block
WBE3/NK	Neutral block
WBE4/EK	Earth block
WBE4/NK	Neutral block
WBE/BS	Blanks
WME/FB	Wall mounting plate

* 2 pole aperture can be trimmed for 4 pole use



PIR LIGHTING CONTROL & 56 RANGE

For domestic, commercial and industrial installations Wylex offers a range of PIR's which can be used for security and energy management applications.

PIR sensors register the movement of a heat source and with a hi-tech microprocessor controlled operation ensures complete reliability and surveillance in all weather conditions.

The 56 Range provides a range of switches and sockets protected from water and dust suitable for most environments.

With the addition of rcd's the 56 Range offers earth fault protection for sockets which could be mounted externally in both single and twin configurations.





6851-AGM-204

WATCHDOG 90° SENSOR

IP55	DESCRIPTION	COLOUR
	90° Sensor 12m range	
Dimensions	85mm x 145mm x 72mm	
	<ul style="list-style-type: none"> • The 90° Sensor can be swivelled vertically +90°, -40° • Sensor head can be swivelled horizontally +/- 65° • Can be wall or ceiling mounted. • The 90° Sensor offers rear-field "anti-creep" protection. 	
6851-AGM-204		White
6851-AGM-201		Brown



6876-AGM-201

WATCHDOG 220° SENSOR

IP55	DESCRIPTION	COLOUR
	220° Sensor 16m range	
Dimensions	85mm x 145mm x 72mm	
	<ul style="list-style-type: none"> • The 220° Sensor can be swivelled vertically +90°, -40° • Sensor head can be swivelled horizontally +/- 65° • Can be wall or ceiling mounted. • The 220° Sensor offers rear-field "anti-creep" protection. 	
6876-AGM-204		White
6876-AGM-201		Brown
	<ul style="list-style-type: none"> • Multi option dusk and time settings. • Test mode. • Temperature range -25 to 55°C. • BS EN 55014. 	



6877-AGM-204

WATCHDOG 280° SENSOR

IP55	DESCRIPTION	COLOUR
	280° Sensor 16m range	
Dimensions	83mm x 165mm x 110mm	
	<ul style="list-style-type: none"> • The 280° Sensor can be swivelled vertically +90°, -40° • Sensor head can be swivelled horizontally +/- 65° • Can be wall or ceiling mounted. • The 280° Sensor offers rear-field "anti-creep" protection. 	
6877-AGM-204		White
6877-AGM-201		Brown

ACCESSORIES

	DESCRIPTION	COLOUR
6881-204	Swivel adaptor	White
6881-201	Swivel adaptor	Brown
6884-204	Corner adaptor	White
6884-201	Corner adaptor	Brown

SOCKET OUTLETS IP56 BS1363

CAT REF	DESCRIPTION	RATING
56A313	Single RCD Protected Socket Outlet 13A	30mA RCD
56A314	Twin RCD Protected Socket Outlets 13A	30mA RCD
56B100	Single Switched Socket Outlet 13A	20A DP
56B313	Single Socket Outlet 13A	13A
56P313	Plug 13A	13A

SWITCHES IP56 BS1363

CAT REF	DESCRIPTION	RATING
56A100	Double Pole RCD	30mA RCD
56B101	Double Pole Switch	20A
56B102	2 Way Switch	10A
56B103	2 Gang 2 Way Switch	10A



56A314



ISOLATOR & WORKSHOP UNITS

Wylex provide a range of open and enclosed switches upto 100A. Designed for applications where local isolation is required. The modular WS range of switches can be independently configured to provide a variety of live and neutral arrangements upto 4 poles.

The Workshop Units accommodate the outgoing devices from the NH Range and offer a focused range of consumer units for use where and IP rating is required.





921E

DOUBLE POLE 240V, 50HZ AC

CAT REF	DESCRIPTION	CURRENT RATING
832A	Loose mounting insulated (Non DIN)	30A
860A	Loose mounting in an enclosure (Non DIN)	60A



WS102

WS104

TRIPLE POLE & NEUTRAL 415V, 50HZ AC

CAT REF	DESCRIPTION	CURRENT RATING
921E	With switched neutral, surface mounting in a metal enclosure	32A
921X	With switched neutral, for loose mounting in an enclosure (Non DIN)	32A

WS RANGE OF MODULAR ISOLATORS

CAT REF	DESCRIPTION	CURRENT RATING
WS601	1 Pole, 1 Module	63A
WS602	2 Pole, 2 Module	63A
WS603	3 Pole, 3 Module	63A
WS604	4 Pole, 4 Module	63A
WS101	1 Pole, 1 Module	100A
WS102	2 Pole, 2 Module	100A
WS103	3 Pole, 3 Module	100A
WS104	4 Pole, 4 Module	100A
WS123	3 Pole, 3 Module	125A

* A range of DIN Enclosures is shown on page 29.



W6D204

1 WAY-IP65

CAT REF	DESCRIPTION
W6D104	Workshop Unit with 63A Isolator

2 WAY-IP65/54

CAT REF	DESCRIPTION
W6D204	IP65 Workshop Unit with 63A Isolator
W5DES204	IP54 Workshop Unit with 40A 30mA RCD

1 WAY-IP40

CAT REF	DESCRIPTION
W4D106	Workshop Unit with 63A Isolator

1 WAY-IP54

CAT REF	DESCRIPTION
W5D106	Workshop Unit with 63A Isolator

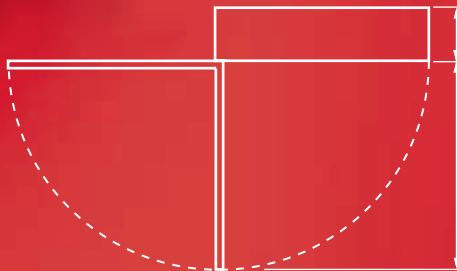
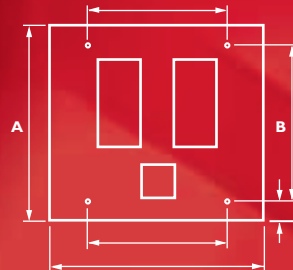
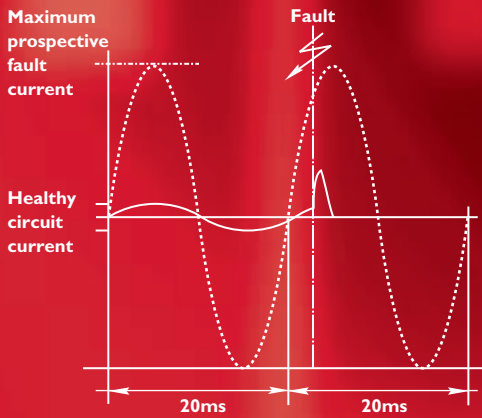
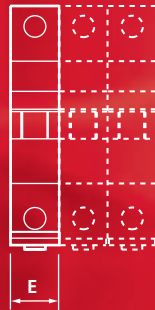
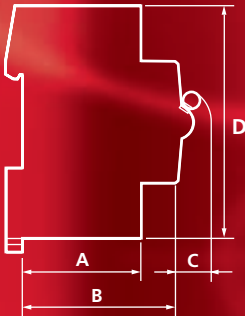
For additional models contact Wylex Technical Support

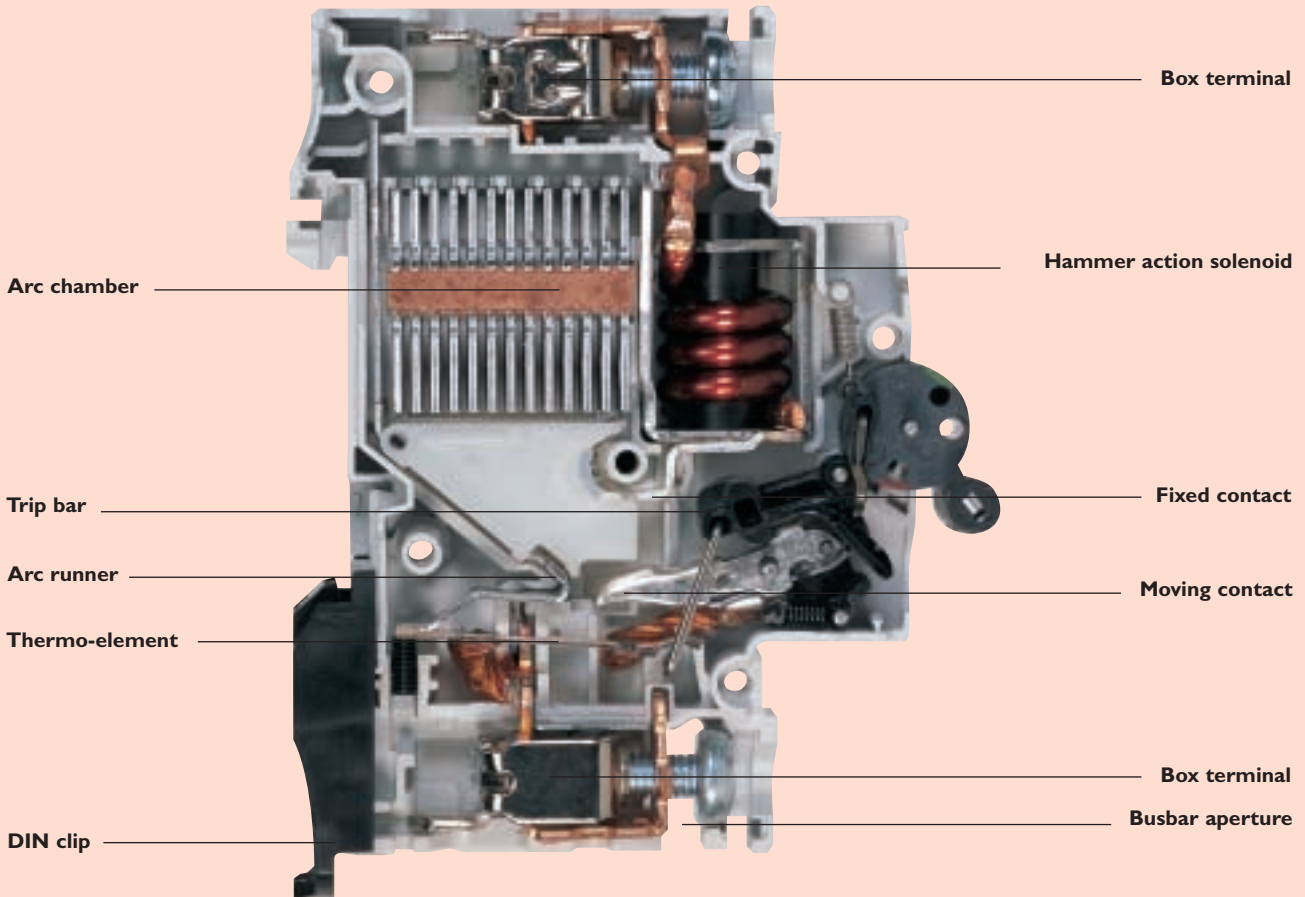


W4D106



TECHNICAL DATA & DIMENSIONS





GENERAL CONSTRUCTION

Wylex MCBs are of the thermal-magnetic current limiting type, having a compact construction which has been achieved by not only minimising the number of parts but also the number of welded joints and connections. Critical material selection ensures reliability and durability. Typical of this is the choice of silver graphite for the fixed contact. The MCB has an easy to operate handle with a trip-free toggle mechanism – so even when the handle is held in the ‘on’ position the MCB is free to trip.

AMBIENT TEMPERATURE CONSIDERATIONS

Wylex MCBs are calibrated to meet the requirements of BS EN 60898, 30°C Ref Calibration Temperature. At other temperatures the following rating factors should be used:

At 60°C 0.9 At 20°C 1.0 At 0°C 1.1

Adjacent thermal-magnetic MCBs should not be continuously loaded at or approaching their nominal rated currents when mounted in enclosures. It is good engineering practice to apply generous derating factors or make provision for adequate free air between devices. In these situations, and in common with other manufacturers, we recommend a 66% diversity factor is applied to the MCB nominal rated current where it is intended to load the MCBs continuously (in excess of 1 hour).

METHOD OF OPERATION

1 Moderate overload conditions

Detection of moderate overload conditions is achieved by the use of a thermo-metal element which deflects in response to the current passing through it. The thermo-metal element moves against the trip bar releasing the trip mechanism.

2 Short circuit conditions

When the current flowing through the MCB reaches a predetermined level, the solenoid directly pulls in the plunger which forcibly separates the contacts and simultaneously releases the trip mechanism.

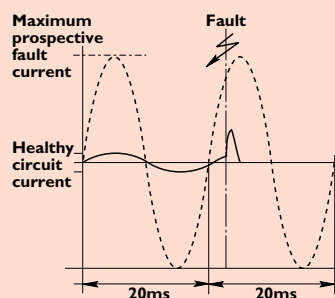
3 Establishment of arc between fixed and moving contacts

As the moving contact moves away from the fixed contact, an arc is established. The arc runs along the arc runner to the arc chamber where it is split up between the plates and extinguished. The low inertia and consequent high speed of the moving contact has a limiting effect on the flow of fault current. The rapid development of the arc, together with its accelerated extinction in the arc chamber, gives a typical operating time of 3.5–5 milliseconds.

CURRENT LIMITING ACTION

The high speed current limiting action ensures that the MCB operates before the full prospective fault current is allowed to develop. Under fault conditions, damage can be sustained to the installation and associated equipment due to the amount of energy that passes before the current is completely interrupted. The total energy let-through depends on the value of current and the time for which it flows, and is denoted by the symbol I^2t . The high speed current limiting action of MCBs ensures that the energy let-through and any subsequent damage is minimised. This reduced energy let-through assists greatly with both back-up and discrimination considerations.

CURRENT LIMITING EFFECT

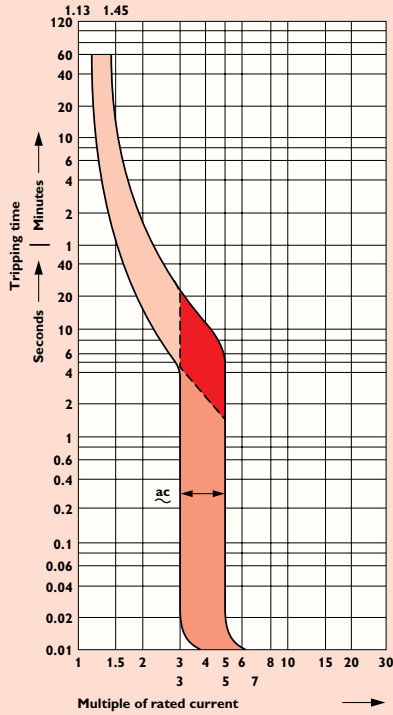


BACK-UP PROTECTION

Back-up protection is required only if the prospective short circuit current at the point of installation exceeds the breaking capacity of the MCB. When providing back-up protection consideration must be given to discrimination between the MCB and fuse.

DISCRIMINATION

It is desirable that the protective device nearest the fault should operate first. The low energy let through of modern MCBs provides better discrimination with HRC fuse back-up than is given by earlier types of MCBs.

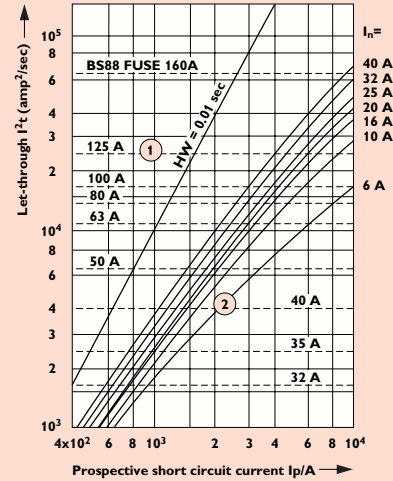


NSB CONSUMER UNIT MCBs

British standards
 Rated voltage (single pole)
 Tripping characteristics
 Short circuit rating
 Reference calibration temperature
 Terminal capacity – outgoing cable

BS EN 60898: 1991
 240V
 Type B
 6kA
 30°C
 0.75 to 25mm²

CAT REF	RATING
NSB06	6A
NSB10	10A
NSB16	16A
NSB20	20A
NSB32	32A
NSB40	40A
NSB50	50A



- ① min melting pt (pre-arching)
eg $I_n=125A$ BS 88
- ② max let-through I^2t of MCB
eg 6A

NSB AND PSB MCBs

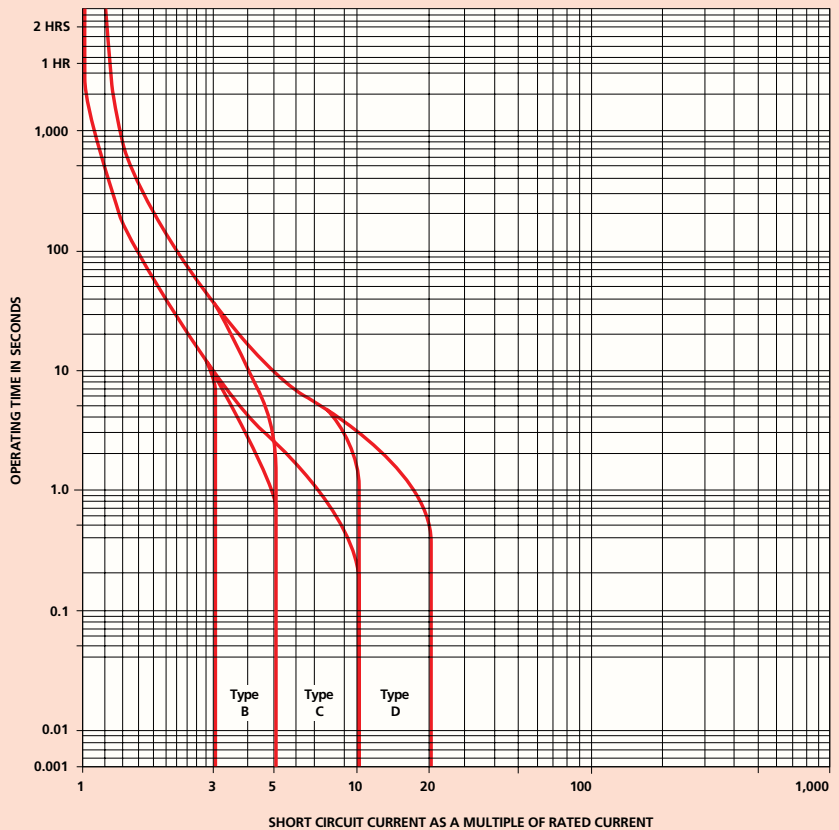
British Standards BSEN 60898 - 1991
 Rated Voltage 230/400 Volts
 Tripping characteristics Type B, C and D
 Short circuit rating 6kA and 10kA
 Reference calibration temperature 30°C
 Terminal capacity - outgoing cable 0.75 to 25mm²

NSBS & PSBS RCBO (COMBINED MCB/RCD)

British Standards BSEN 61009
 Rated Voltage 230 Volts
 SP or SP with switched neutral
 Tripping characteristics Type C
 Short circuit rating 6kA and 10kA
 Reference calibration temperature 30°C
 Rated residual operating current 30mA
 Single module Type A
 Two module Type AC
 Terminal capacity - outgoing cable 0.5 to 16mm²

Unique live side busbar combi-terminal allows connection of cable up to 25mm²

Maximum neutral cable size 25mm²





TRANSIENT EARTH LEAKAGE CURRENTS

All Wylex residual current devices incorporate a high level of immunity to tripping when subjected to transient earth leakage currents. Such transients can occur when there is a significant level of capacitance to earth as can result from cable capacitance (particularly MICC) or RF filter networks. Wylex RCDs are therefore less susceptible to nuisance tripping due to transient earth leakage currents.

RESIDUAL TRIPPING CURRENTS

10mA
Used in special applications where additional protection against contact is essential due to the nature of the installation.

30mA
Tripping current designated by the IEE Wiring Regulations to provide additional protection against direct contact shock, ie socket outside the equipotential zone. TT systems, caravan installation, etc.

100mA
Suitable for use against indirect contact shock or where protection is provided to guard against firehazard, etc, rather than to provide additional protection to personnel, and where the earthing requirements need supplementing by RCD protection.

100mA time delay
Suitable for use when total RCD protection is required to supplement the system earthing and where local 30mA RCDs are used to give additional protection against direct contact. The time delay RCD will discriminate with the 30mA RCD.

300mA
For use in large installations where plant and equipment protection are the main considerations and high levels of earth leakage are experienced.

OPERATION

The RCD employs the current balance principle which involves the supply conductors to the load (phase and neutral) being wound onto a common transformer core to form the primary windings.

Under healthy circuit conditions, the current in the phase conductor is equal to the current in the neutral, and the vector sum of the current is zero.

In the event of an earth fault, an amount of current will flow to earth, creating an out of balance situation in the transformer assembly. This out of balance is detected by the secondary winding of the transformer and at a pre-determined level of out of balance will activate the trip mechanism.

Single phase and neutral or three phase and neutral units (suitable for 3 or 4 wire systems) are available, the latter being suitable for balanced or unbalanced 3 phase loads.

The RCD trip mechanism will operate at a residual current of between 50–100% of its rating tripping current (sensitivity).

APPLICATION GUIDE FOR RESIDUAL CURRENT DEVICES

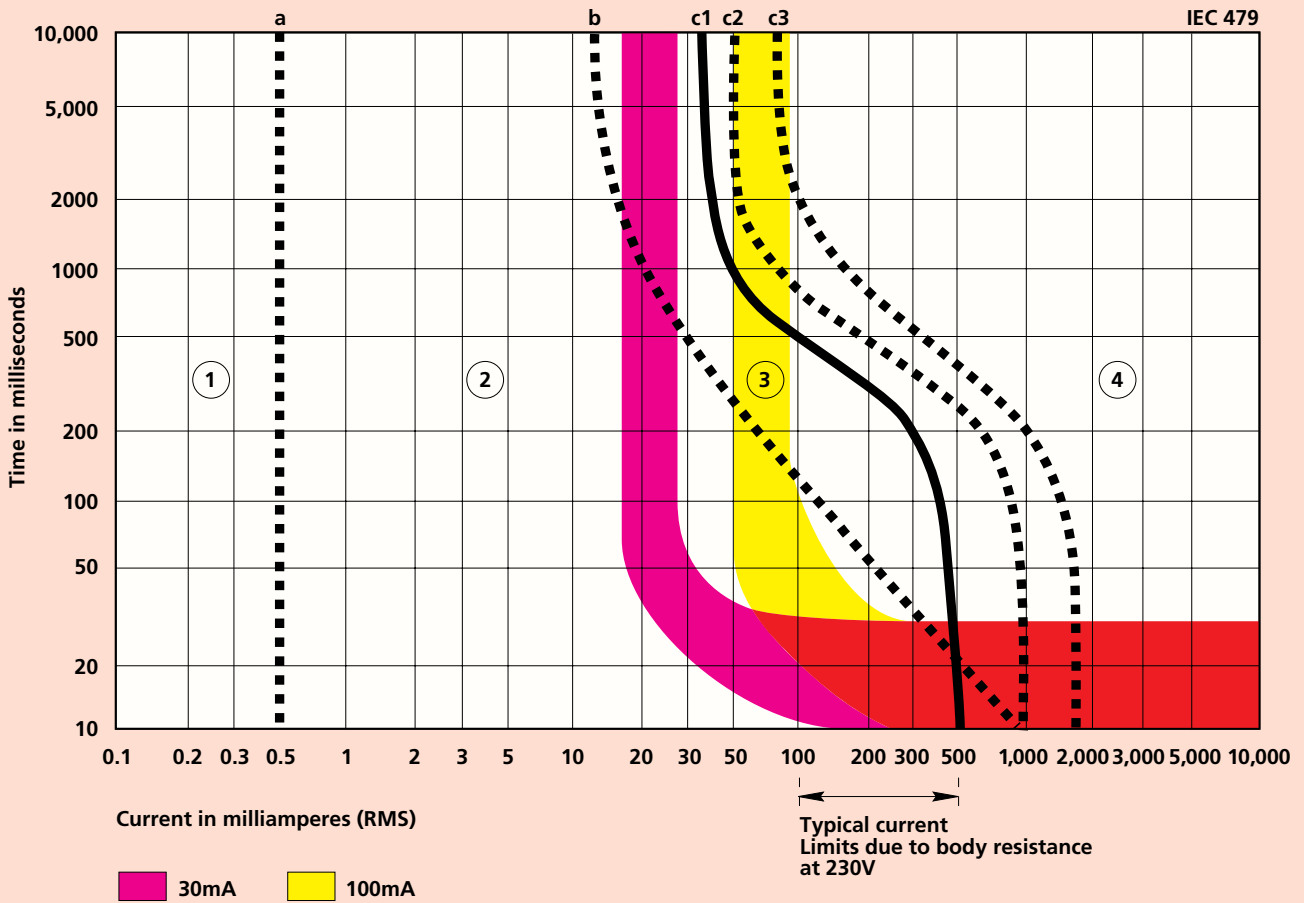
A test button is provided on all RCDs to enable the operation of the device to be checked.

It is recommended that an RCD is tested regularly. (See BS 7671 Regulation 514-12-02).

Scope of Protection	Application Method	Type
	 RCCB controlled consumer unit	RCCB
	 Split load consumer unit	RCCB
	 Consumer unit with RCBO controlling individual circuit SP or DP option available	RCBO
	 Combined RCD / socket outlet	SRCD
	 Combined RCD / adaptor	PRCD



TIME/CURRENT ZONES OF EFFECT OF AC CURRENT (15–100Hz) ON PERSONS



Zone Physiological effects

- 1 Usually no reaction effects.
- 2 Usually no harmful physiological effects.
- 3 Usually no organic damage to be expected. Likelihood of muscular contraction and difficulty of breathing, reversible disturbances of formation and conduction of impulses in the heart, and transient cardiac arrest without ventricular fibrillation increases with current magnitude and time.
- 4 In addition to the effects of zone 3, probability of ventricular fibrillation increased up to 5% (Curve C2), up to 50% (Curve C3) and above 50% beyond Curve C3. Increasing with magnitude and time, pathophysiological effects such as cardiac arrest, breathing arrest and heavy burns may occur.

FAULT CURRENT SENSITIVITY

Semi-conductor devices are now incorporated in equipment used throughout industry, commerce and in the home. Typically, the purpose of these semi-conductor devices is for monitoring and controlling industrial equipment, eg speed controls for small motors and temperature controls, along with extensive use in computers, VDUs, printers, washing machines, etc.

As the equipment is fed from the mains electrical supply, in the event of an earth fault the presence of semi-conductors may result in the normal ac waveform being replaced by a non-sinusoidal fault current. In some cases the waveform may be rectified or chopped. These waveforms are said to contain a pulsating dc component which can either partially desensitise or totally disable a standard Type AC RCD. New International standards IEC 1008 (RCCBs) and IEC 1009 (RCBOs) divide RCDs into two performance classes:

Type AC

RCDs for which tripping is ensured for residual sinusoidal alternating currents, whether suddenly applied or slowly arising.

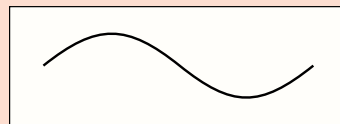
Type A

RCDs for which tripping is ensured for residual sinusoidal alternating currents and residual pulsating direct currents, whether suddenly applied or slowly arising.

To ensure the correct level of protection, check for the following symbols:

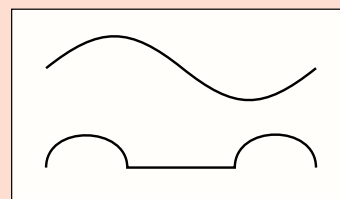
TYPE AC

normal ac sensitivity



TYPE A

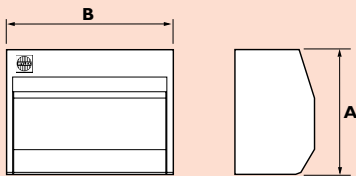
pulsating dc sensitivity



Wylex RCDs are available as both Type AC and Type A devices.



INSULATED



BOX DIMENSIONS

A=160mm(6.3"),B=117mm(4.6"),C=102mm(4")

NH204/40	NHRM204/40
NH204/63	NHRM204/63
NHRS204/40	NH4ED4
NHRS204/63	

BOX DIMENSIONS

A=230mm(9"),B=190mm(7.5"),C=120mm(4.7")

NH504	NHRM504
NHRS504	NH7ED4

BOX DIMENSIONS

A=230mm(9"),B=243mm(9.6"),C=120mm(4.7")

NH804	NHRS3304
NHRS804	NHRS4204
NHRM804	NH504+3
NHSTM2404	NHRS504+3
NHSTM3304	NHRM504+3
NHSTM4204	NH10ED4
NHRS2404	

BOX DIMENSIONS

A=230mm(9"),B=293mm(11.5"),C=120mm(4.7")

NH1104	NHRS3604
NHRS1104	NHRS6304
NHRM1104	NHIX5404
NHSTM3604	NHIX4504
NHSTM4504	NH804+3
NHSTM5404	NHRS804+3
NHSTM6304	NHRM804+3
NHRS4504	NH13ED4
NHRS4504	

BOX DIMENSIONS

A=230mm(9"),B=344mm(13.5"),C=120mm(4.7")

NH1404	NHRS9304
NHRS1404	NHIX7504
NHRM1404	NHIX6604
NHSTM3904	NHIX5704
NHSTM4804	NHRSX5704
NHSTM5704	NHRSX6604
NHSTM6604	NHRSX7504

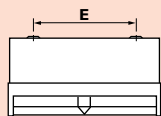
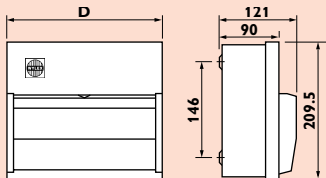
NHSTM7504	NH804+6
NHSTM8404	NH1104+3
NHSTM9304	NHRS804+6
NHRS3904	NHRS1104+3
NHRS4804	NHRM804+6
NHRS6604	NHRM1104+3
NHRS5704	NH16ED4
NHRS7504	NHISS5504
NHRS8404	

BOX DIMENSIONS

A=230mm(9"),B=440mm(17.3"),C=120mm(4.7")

NH1904	NHRS71004
NHRS1904	NHRS9804
NHRM1904	NHRS8904
NHSTM12504	NHRS51204
NHSTM11604	NHIX9804
NHSTM8904	NHIX8904
NHSTM9804	NHRSX8904
NHSTM10704	NHRSX9804
NHSTM71004	NHRS5604+6
NHSTM61104	NHRS5604+6
NHSTM51204	NHRS7704+3
NHRS12504	NHRS8604+3
NHRS11604	NHRS6804+3
NHRS10704	NH21ED4
NHRS61104	NHISS8704

SINGLE METAL



BOX DIMENSIONS

D=188mm(7.4"),E=107mm(4.2")

NH506	NHRS506
NH7ED6	NHRM506

BOX DIMENSIONS

D=292mm(11.5"),E=210mm(8.3")

NHRM1106	NHRS806+3
NHSTM3606	NHRS1106
NH1106	NHRS806+3
NHRS4506	NHRS5406
NHSTM5406	NH13ED6
NH806+3	NHSTM4506
NHRS4506	NHRS6306

BOX DIMENSIONS

D=353mm(13.5"),E=260mm(10.2")

NH1406	NHSTM6606
NHRS1106+3	NHRS3906
NHRS4806	NHSTM7506
NHRS1406	NHRM806+6
NHRM1106+3	NH16ED6
NHRS6606	NH1106+3
NHRM1406	NHSTM8406
NH806+6	
NHRS7506	

BOX DIMENSIONS

D=438mm(17.2"),E=235.7mm(10.1")

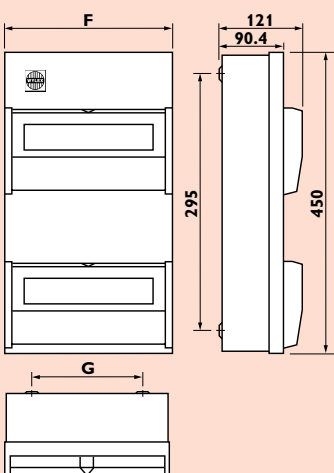
NH1906	NHRS1906
NHRS61106	NHRS8906
NHRS9806	NHSTM71006
NHSTM9806	NHSTM9806
NH21ED6	NHRS5606+6
NHSTM8906	

BOX DIMENSIONS

D=241mm(9.5"),E=160mm(6.3")

NHRM806	NH806
NH10ED6	NHRS806
NHRS2406	NHSTM2406
NHRS3306	NHSTM3306
NHRS4206	

DUPLEX METAL



BOX DIMENSIONS

F=241mm(9.5"),G=160mm(6.3")

NHDIS88	NHDISX88
NHDTMS88	NHDSSX88
NHDIX88	

BOX DIMENSIONS

F=292mm(11.5"),G=210mm(8.3")

NHDIS1111	NHDISX1111
NHDTMS1111	NHDSSX1111
NHDIX1111	

BOX DIMENSIONS

F=343mm(13.5"),G=260mm(10.2")

NHDIS1414	NHDISX1414
NHDTMS1414	NHDSSX1414
NHDIX1414	

BOX DIMENSIONS

F=430mm(17.2"),G=235.7mm(10.1")

NHDIS1919	NHDISX1919
NHDTMS1919	NHDSSX1919
NHDIX1919	

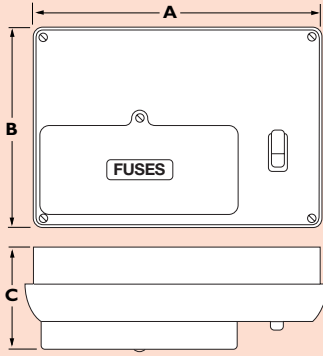
STANDARDS

Switches BS EN 60947-3. Double pole 240V 50Hz. Category of duty AC21.

Consumer units BS EN 60439-3.

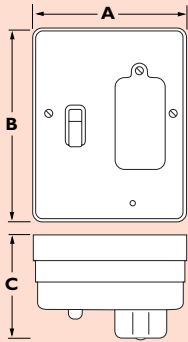
RCDs BS EN 61008. Degree of protection IP2X. **RCBOs** BS EN 61009.

STANDARD RANGE



INSULATED -MAIN SWITCH ISOLATOR

CAT REF	DIMENSIONS		
	A	B	C
204	125	120	70
304	190	155	95
404	190	155	95
604	272	186	103
804	323	186	103



METAL -MAIN SWITCH ISOLATOR

CAT REF	DIMENSIONS		
	A	B	C
104	98	121	68
108/160/145	143	178	99
206	140	131	93
306	210	153	99
406	210	153	99
606	293	210	104
806	343	210	104
1206	439	210	104

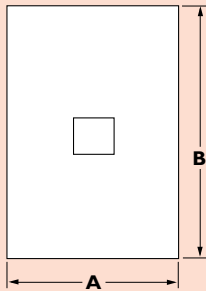
METAL -45A AND 60A SWITCHFUSES

CAT REF	DIMENSIONS		
	A	B	C
106	112	131	80
108M	172	242	98

METAL -100A DOUBLE POLE SWITCHFUSE

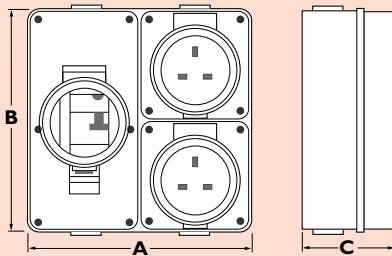
CAT REF	DIMENSIONS		
	A	B	C
110M	178	305	76
110M/80	178	305	76

ENCLOSURES



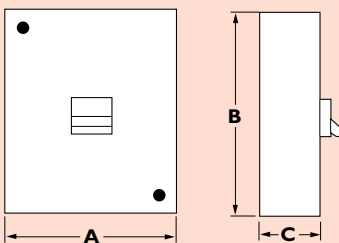
CAT REF	IP RATING	DIMENSIONS	
		A	B
ESE2	IP40	60	153
ESE2L	IP20	60	140
WBE3	IP65	85	160
ESI4	IP40	100	150
ESM6	IP40	90	225
ESM7	IP54	90	225
ESE4	IP20	77	140
ESE4L	IP20	77	200
WBE4	IP65	110	160
ESM8	IP40	120	225
ESM11	IP54	120	225
ESM12	IP40	137	318
ESM13	IP54	137	318

56 RANGE



CAT REF	DIMENSIONS		
	A	B	C
56A313	101	294	98
56A314	198	198	98
56B100	198	101	98
56B313	101	101	98

ISOLATORS



CAT REF	DIMENSIONS			Terminal Capacity
	A	B	C	
832A	62	76	30	10
860A	57	79	29	25

CAT REF	DIMENSIONS			Terminal Capacity
	A	B	C	
910E	178	305	76	70
921X	72	45	48	10
921E	114	133	61	10

STANDARDS

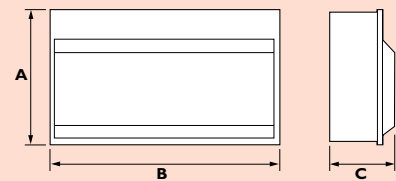
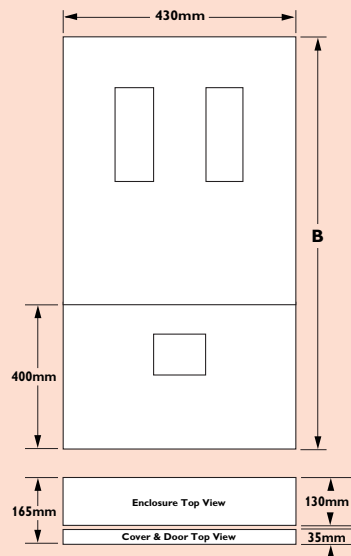
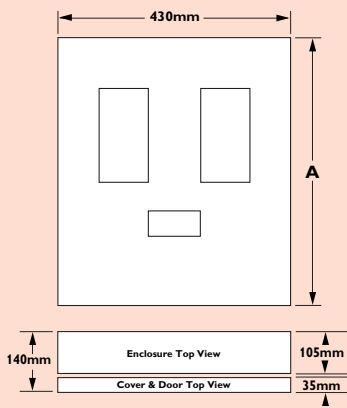
Switches	Multipole: 415V 50Hz BSEN 60947-3 1992 Category of duty AC22A
MCCBs	BS4752 Part 1: 1977
MCBs	BSEN 60898: 1991 Type B, C and D
Short circuit rating	6 & 10kA
Distribution Boards	BS EN 60439-3
Degree of Protection.	For indoor use only (IP3X)

CONSTRUCTION

Wylex NH MCB distribution board enclosures are fabricated in heavy gauge steel and are rust protected. The powder coating process uses an epoxy/polyester compound which is stoved to produce a durable finish highly resistant to both weathering and mechanical damage. Incorporated in the distribution boards are multi-terminal earth and neutral bars labels. They are designed for ease of installation and have ample wiring space.

The WYLEX PSB miniature circuit breakers are rated at 10kA and are of the fault limiting type.

When a short circuit occurs, the current operates a solenoid which trips the mechanism and forces the moving contact away from the fixed contact. The arc generated is forced into an arcing chamber which incorporates splitter plates, to divide and cool it, reducing the total operating time to less than 5ms. This high speed operation substantially reduces the 'let through' energy (I^2t) in comparison with 'zero point extinguishing' or 'half cycle' MCBs, keeping additional damage at the point of the fault to a minimum. Additionally this allows discrimination with HRC fuses at high fault levels.

**125A DISTRIBUTION BOARDS**

CAT REF	DIMENSION
	A mm
NHTN4	487
NHTN6	559
NHTN8	648
NHTN12	809
NHTN16	990
NHTN20	990
NHTN24	1206

200A DISTRIBUTION BOARDS

CAT REF	DIMENSION
	B mm
NHTN40X	1066
NHTN60X	1120
NHTN80X	1174
NHTN120X	1282
NHTN160X	1390
NHTN200X	1498
NHTN240X	1606

Dimension B-for Distribution Boards with MCCB Incomer.

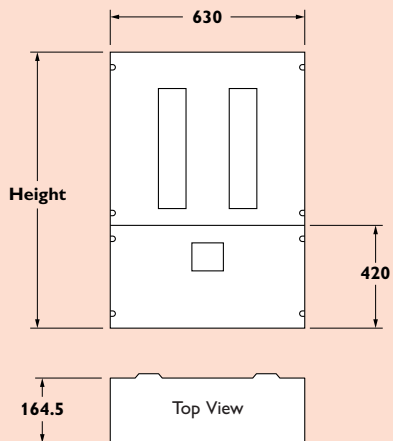
SINGLE PHASE DISTRIBUTION BOARDS

CAT REF	DIMENSIONS		
	A mm	B mm	C mm
NHSN5	210	188	105
NHSN8	210	242	105
NHSN11	210	293	105
NHSN14	210	343	105
NHSN16	210	394	105
NH8+3	210	293	105
NH8+6	210	343	105

200A DISTRIBUTION BOARDS

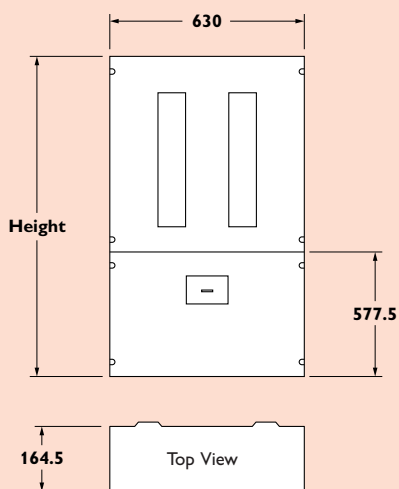
CAT REF	DIMENSION
	A mm
NHTN40	648
NHTN60	809
NHTN80	809
NHTN120	990
NHTN160	990
NHTN200	1206
NHTN240	1206

200A-250A PANEL BOARDS



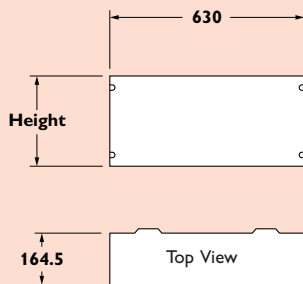
MODULAR HEIGHT	HEIGHT (MM)	LIST NO
17	902	NHPB6SW250
17	902	NHPB8SW250
20	1060	NHPB12SW250
17	902	NHPB6CB200
17	902	NHPB8CB200
20	1060	NHPB12CB200

400A PANEL BOARDS



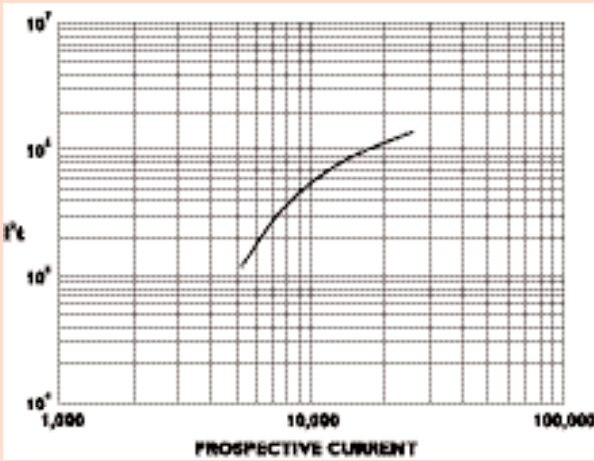
MODULAR HEIGHT	HEIGHT (MM)	LIST NO
20	1060	NHPB6SW400
20	1060	NHPB8SW400
23	1317	NHPB12SW400
20	1060	NHPB6CB400
20	1060	NHPB8CB400
23	1317	NHPB12CB400

NH125 MODULAR MCB/DIN ENCLOSURES



MODULAR HEIGHT	HEIGHT (MM)	LIST NO
4	*210	TO ORDER
8	*420	TO ORDER

* Dimensions for Accessory boxes do not include end plate dimensions, this is because these 2 boxes are add on units and are supplied without end plates. The end plate is removed from the panel board, that is connected to the add on unit. Then fitted to the top of the add on unit.



NHG MCCB SPECIFICATION

- Specification BSEN60947-2
- Current Range 25 – 125A
- Ue Rated Operation Voltage 240V SP 415V TP
- Ui Rated Insulation Voltage 500V AC
- Rated Frequency 50/60Hz
- Release Thermal Magnetic
- Adjustment None
- Ambient Range -20°C to 55°C
- Humidity Range 0 – 90%
- Weight SP - 0.4kg TP - 0.95kg
- Mechanical Duration 8000 operations

SHORT CIRCUIT BREAKING CAPACITY

Type	GB	GN
Ue	Icu	Icu
	SP/TP	TP
220 V	30	30
380 V	16	25
415 V	16	25

Ics = 50% Icu

INSTANTANEOUS TRIP BANDS

	SP	TP
25 – 32A	500A	400A
40 – 80A	800A	600A
100 – 125A	1250A	600A
Non-adjustable		±10%

TERMINALS

Front-connected clamps –
 25A to 125A – 70mm² cable
 – 10mm strip

AUXILIARY EQUIPMENT

NHG MCCBs

Auxiliary Contact Ratings (A)

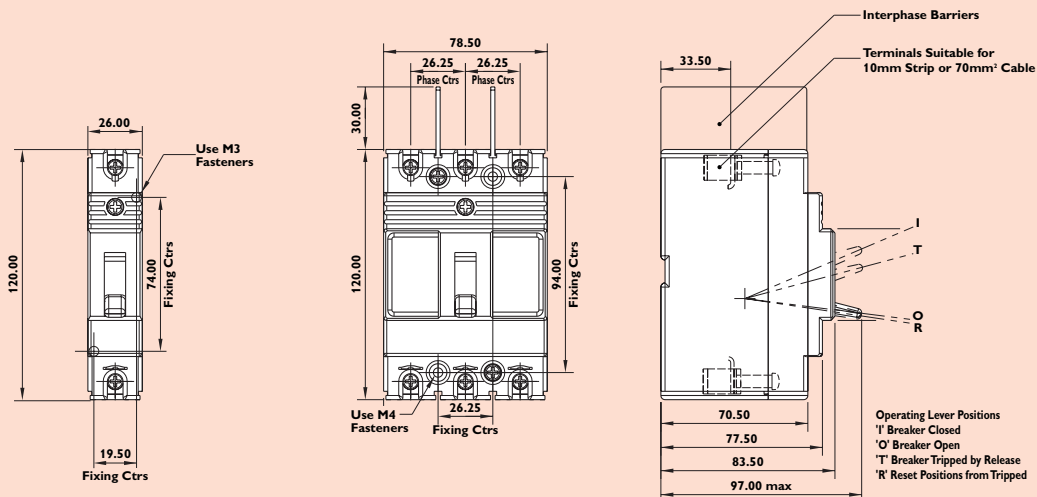
	Resistive Load (A)		Tungsten Load Inductive Load (A)	
	NC (A)	NO (A)	NC (A)	NO (A)
AC				
125	3	0.5	0.5	3
250	3	0.5	0.5	3
DC				
30	3	3	0.5	3
50	1	0.7	0.7	1
125	0.5	0.4	0.4	0.05

MAXIMUM EARTH LOOP IMPEDANCES FOR TRIPLE POLE MCCBs Zs (ohms) for Uo = 240V~

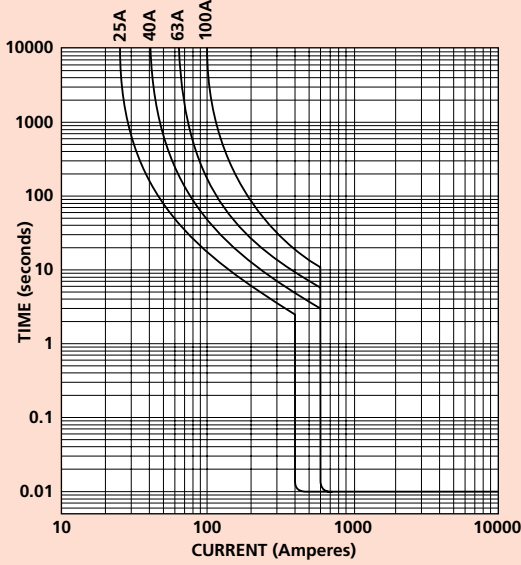
Current Rating (A)	25	32	40	50	63	80	100	125
0.4 Seconds Disconnection Time	0.17Ω	0.17Ω	0.13Ω	0.13Ω	0.13Ω	0.13Ω	0.13Ω	0.13Ω
5.00 Seconds Disconnection Time	0.96Ω	0.75Ω	0.60Ω	0.48Ω	0.38Ω	0.30Ω	0.24Ω	0.19Ω

MAXIMUM EARTH LOOP IMPEDANCES FOR SINGLE POLE MCCBs Zs (ohms) for Uo = 240V~

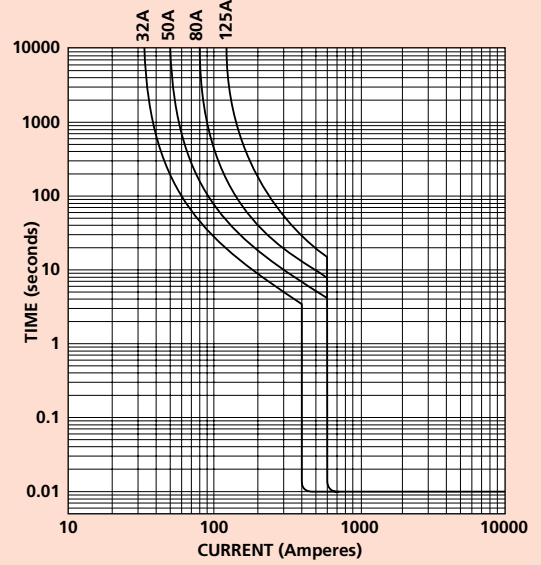
Current Rating (A)	25	32	40	50	63	80	100	125
0.4 Seconds Disconnection Time	0.43Ω	0.43Ω	0.27Ω	0.27Ω	0.27Ω	0.27Ω	0.17Ω	0.17Ω
5.00 Seconds Disconnection Time	0.96Ω	0.75Ω	0.60Ω	0.48Ω	0.38Ω	0.30Ω	0.24Ω	0.19Ω



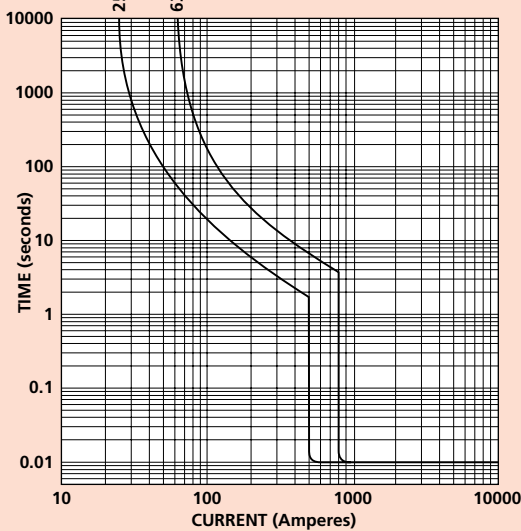
TP
NHG 25-100A



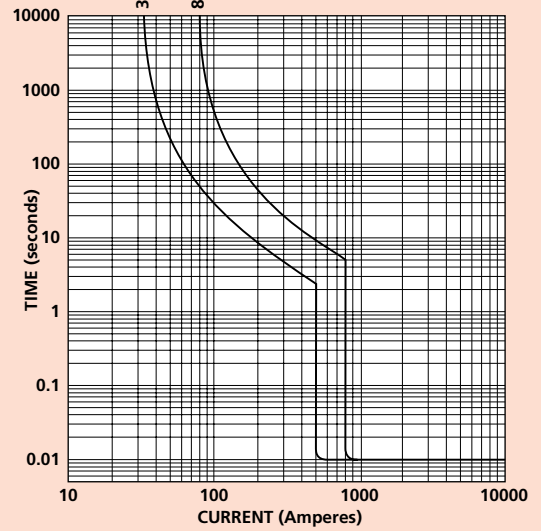
TP
NHG 32-125A



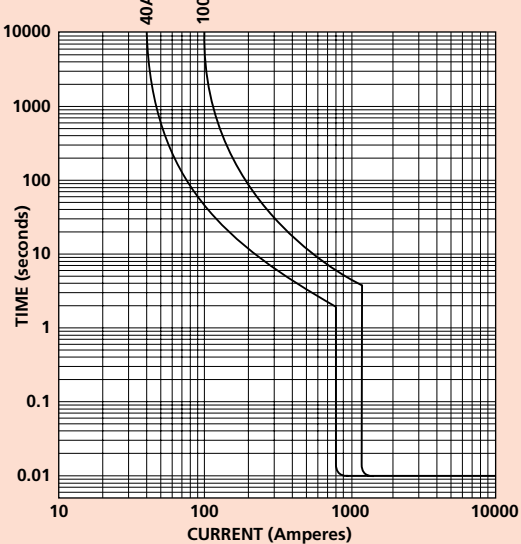
SP
NHG 25-63A



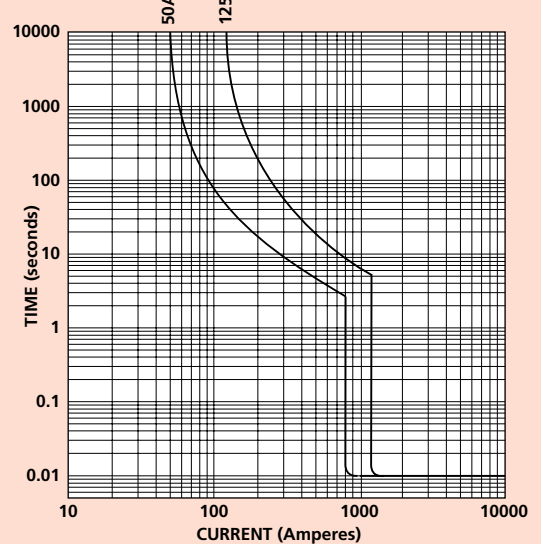
SP
NHG 32-80A



SP
NHG 40-100A

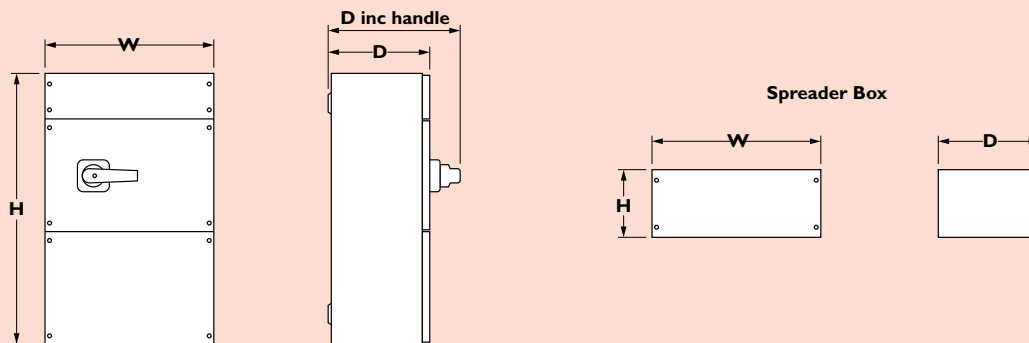


SP
NHG 50-125A



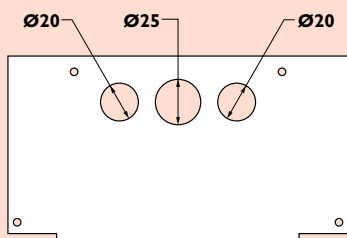
Tolerance on instantaneous current values $\pm 10\%$.

DIMENSION DETAILS



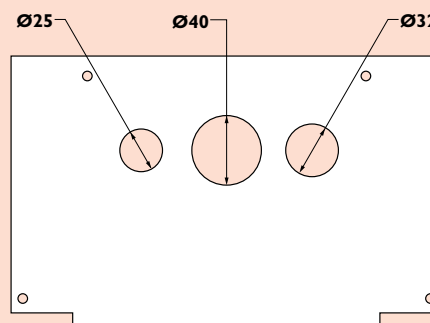
HOUSED UNIT DIMENSIONS (mm)

HOUSED UNIT	H	W	D	D inc. handle		H	W	D
20-32A	220	210	130	240				
63-100A	420	262	183	273	SPREADER BOX	105	262	183
125-200A	525	315	235	325	SPREADER BOX	105	315	210



32A Gland Plates

All Dimensions in mm



63-100A Gland Plates

TECHNICAL DATA

	20-32A	63A	100A	125A	160A	200A
Mechanical Endurance	10,000	10,000	10,000	8,000	8,000	8,000
Fused s/c Current kA RMS	80	80	80	80	80	80
Ratings	A kW	A kW	A kW	A kW	A kW	A kW
415V Ie/pe	32 15	63 30	100 55	125 75	160 90	200 110
Weights						
Housed Units	3 Kg	6 Kg	6 Kg	6 Kg	12 Kg	12 Kg
Spreader Box	0.6 Kg	1 Kg	1 Kg	1 Kg	2 Kg	2 Kg

SPECIFICATION

- BSEN947-3
- Range of ratings 20A -200A
- Pole configurations SP & N, and TP & N
- Voltage rating 415V ac
- Frequency rating 50/60 Hz
- Fuse type BS88

PRODUCT FEATURES

- Switching speed totally operator independent
- Handle padlockable on or off
- Drive shaft padlockable off with or without handle fitted

FUSE COMPARISON DATA

CURRENT RATING	BS 88 REFERENCE	LAWSON	GEC	BUSSMAN
20/32A	A1	NIT	NIT	NITD
63A	A3, A2	TIS	TIS	BAO
100A	A4	TCP	TCP	CEO
125A	A4	TFP, TCP	TFP, TCP	DEO
160A	A4	TFP, TCP	TFP, TCP	DEO
200A	A4	TFP, TCP	TFP, TCP	DEO

TECHNICAL INFORMATION

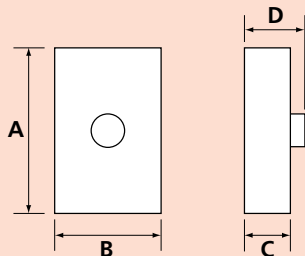
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NH Switch Disconnectors

Sheet Steel Enclosure

RATING IN AMPS	20A	32A	40A	63A	63A*	100A	125A
Rated Insulation Voltage Ui (V)	800	800	800	800	800	800	800
Dielectric Strength (kV) 50 Hz 1min	3	3	3	3	3	3	3
Shock Resistance Uimp (kV)	8	8	8	8	8	8	8
OPERATIONAL CURRENT IE (A)							
415 V AC - AC21A / AC21B	20	32	40	63	80	100	125
AC22A / AC22B	20	32	40	63	80	100	125
AC23A / AC23B	20	32	40	63	80	80	80
500 V AC - AC21A / AC21B	20	32	40	63	80	100	125
AC22A / AC22B	20	32	40	63	80	100	125
AC23A / AC23B	20	32	40	40	63	63	63
690 V AC - AC20A / AC20B	20	32	40	63	80	100	125
AC21A / AC21B	20	32	40	63	80	100	125
AC22A / AC22B	20	32	40	63	80	100	100
AC23A / AC23B	20	25	25	25	50	50	50
MOTOR POWER (KW) AC 23							
415 V AC	7.5	11	11	15	18.5	37	40
500 V AC	7.5	11	15	18.5	22	37	37
690 V AC	11	11	18.5	18.5	25	30	30
FUSE TYPES TO BS88							
OVERLOAD CAPACITY							
Fuse rating gG	20	32	40	63/40	63	100	125
Short circuit current with fuses (kA Rms)	50	50	50	20/50	50	20	15
Asymmetric short time rating current (kA peak)	6	6	6	9	9	9	9
Admissible short time current 1 s. (kA Rms)	1.26	1.26	1.26	1.5	1.5	1.5	1.5
MAKING & BREAKING CHARACTERISTICS							
Breaking capacity (A Rms) 415 V AC 23 A	160	256	320	504	504	640	640
Making capacity (A Rms) 415 V AC 23 A	200	320	400	630	630	800	800
WITHSTAND							
Mechanical (number of operations) x 1000	100	100	100	100	30	30	30
Electrical (number of operations at 415V AC 23A) x 1000	3	3	3	3	1.5	1.5	1.5
CONNECTION							
Maximum Cu cable section (mm ²) lth using stranded cable (mm ²)	16	16	16	16	50	50	50
WEIGHT (KG)							
3 pole	2.00	2.00	2.00	2.00	2.50	2.50	2.50
4 pole	2.00	2.00	2.00	2.00	2.50	2.50	2.50

DIMENSIONS



STEEL ENCLOSURES

BOX	A	B	C	D
1	220	158	136	172.5
2	325	158	136	172.5



* Box size 2 steel enclosed switch.
Dimensions are overall including screw heads.

NUMERIC INDEX

NSB32

NHTPSF63

*B6*¹⁰⁴

NHRS6604

PSB06-B

NSB06

NHTN4

WS102

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104	24	ES14	29	NHCIL2	21	NHRM1406	6
106	24	ESE2	29	NHCIL3	21	NHRM1904	4
108	24	ESE2L	29	NHCSB	17	NHRM1906	6
204	24	ESE4	29	NHCSB	18	NHRM204/40	4
206	24	ESE4L	29	NHCSB2	21	NHRM204/63	4
304	24	ESM1	29	NHCSB3	21	NHRM206/40	6
306	24	ESM12	29	NHDIX1111	8	NHRM206/63	6
404	24	ESM13	29	NHDIX1414	8	NHRM504	4
406	24	ESM6	29	NHDIX1919	8	NHRM504+3	4
604	24	ESM7	29	NHDIX88	8	NHRM506	6
606	24	ESM8	29	NHDIS1111	8	NHRM804	4
804	24	FALNS1106	8	NHDIS1414	8	NHRM804+3	4
806	24	FALNS706	8	NHDIS1919	8	NHRM804+6	4
1206	24	FALNSEM1106	8	NHDIS88	8	NHRM806	6
106 RED	24	FALNSEM706	8	NHDISX1111	8	NHRS10704	5
108M	24	FALNSES1106	8	NHDISX1414	8	NHRS10706	6
110M	24	FALNSES4606	8	NHDISX1919	8	NHRS1104	4
110M/80	24	FALNSES5506	8	NHDISX88	8	NHRS1104+3	4
145C	24	FALNSES6406	8	NHDPDC	13	NHRS1106	6
145CM	24	FALNSES706	8	NHDSX1111	8	NHRS1106+3	7
160C	24	FALNSIIX4606	8	NHDSX1414	8	NHRS11604	5
160CM	24	FALNSIIX5506	8	NHDSX1919	8	NHRS11606	6
3TPBP	19	FALNSIIX6406	8	NHDSX88	8	NHRS12504	5
56A100	31	FC	9	NHDTMS1111	8	NHRS12506	6
56A313	31	FC	25	NHDTMS1414	8	NHRS1404	4
56A314	31	FWC	25	NHDTMS1919	8	NHRS1406	6
56B100	31	L45	25	NHDTMS88	8	NHRS1904	4
56B101	31	L60	25	NHEP11	13	NHRS1906	6
56B102	31	LFL100	25	NHFHDK17	17	NHRS204/40	4
56B103	31	LFL45	25	NHFHDK20	17	NHRS204/63	4
56B313	31	LFL60	25	NHFHDK20	18	NHRS206/40	6
56P313	31	LFL80	25	NHGPCB1001	19	NHRS206/63	6
6851-AGM-201	31	M10	25	NHGPCB1003	19	NHRS2404	5
6851-AGM-204	31	MAT1	9	NHGPCB1253	19	NHRS2406	6
6876-AGM-201	31	MCBDLX	13	NHGPCB251	19	NHRS3304	5
6876-AGM-204	31	MCBDLX	9	NHGPCB253	19	NHRS3306	6
6877-AGM-201	31	MDT2	9	NHGPCB321	19	NHRS3604	5
6877-AGM-204	31	ME232-230	9	NHGPCB323	19	NHRS3606	6
6881-201	31	ME251-230	9	NHGPCB401	19	NHRS3904	5
6881-204	31	ME256-230	9	NHGPCB403	19	NHRS3906	6
6884-201	31	MESB-20	9	NHGPCB501	19	NHRS4204	5
6884-204	31	MESB-24	9	NHGPCB503	19	NHRS4206	6
832A	33	MESB-40	9	NHGPCB631	19	NHRS4504	5
860A	33	MESB-63	9	NHGPCB633	19	NHRS4506	6
910E	33	MSTT-111	9	NHGPCB801	19	NHRS4804	5
921E	33	MSTU6011S	9	NHGPCB803	19	NHRS4806	6
921X	33	MSTU8011S	9	NHIX4504	4	NHRS504	4
B10	25	MTS8	9	NHIX4506	7	NHRS504+3	4
B16	25	NH00	9	NHIX5404	4	NHRS506	6
B20	25	NH10ED4	4	NHIX5406	7	NHRS506+3	7
B2788	9	NH10ED6	7	NHIX5704	4	NHRS51204	5
B32	25	NH1104	4	NHIX5706	7	NHRS51206	6
B40	25	NH1104+3	4	NHIX6604	4	NHRS5404	5
B6	25	NH1106	6	NHIX6606	7	NHRS5406	6
C15	25	NH1106+3	7	NHIX7504	4	NHRS5604+6	5
C20	25	NH13ED4	4	NHIX7506	7	NHRS5606+6	7
C30	25	NH13ED6	7	NHIX8904	4	NHRS5704	5
C35	25	NH1404	4	NHIX8906	7	NHRS5706	6
C40	25	NH1406	6	NHIX9804	4	NHRS61104	5
C45	25	NH160MCCB	13	NHIX9806	7	NHRS61106	6
C5	25	NH160TPI	13	NHINDK8	18	NHRS6304	5
CFL10	9	NH16ED4	4	NHISS4606	8	NHRS6306	6
CFL110	25	NH16ED6	7	NHISS5504	8	NHRS6504+6	5
CFL15	9	NH1904	4	NHISS5506	8	NHRS6604	5
CFL15	25	NH1906	6	NHISS7806	8	NHRS6606	6
CFL20	9	NH200DC	13	NHISS8704	8	NHRS6804+3	5
CFL20	25	NH200MCB	13	NHISS8706	8	NHRS71004	5
CFL30	9	NH200TPI	13	NHLMCCBINC	13	NHRS71006	6
CFL30	25	NH204/40	4	NHPB12CB200	17	NHRS7504	5
CFL35	9	NH204/63	4	NHPB12CB400	18	NHRS7506	6
CFL35	25	NH206/40	6	NHPB12SW250	17	NHRS7704+3	5
CFL40	9	NH206/63	6	NHPB12SW400	18	NHRS7706+3	7
CFL40	25	NH21ED4	4	NHPB6SW250	17	NHRS804	4
CFL45	9	NH21ED6	7	NHPB6SW400	18	NHRS804+3	4
CFL45	25	NH4ED4	4	NHPB8CB200	17	NHRS804+6	4
CFL5	9	NH4ED6	7	NHPB8CB400	18	NHRS806	6
CFL5	25	NH504	4	NHPB8SW250	17	NHRS806+3	7
DLDX	9	NH504+3	4	NHPB8SW400	18	NHRS806+6	7
EE11	29	NH506	6	NHPBCBLDX	19	NHRS8404	5
EE12	29	NH506+3	6	NHPBCBLPL	19	NHRS8406	6
EE14	29	NH7ED4	4	NHPBS6CB200	17	NHRS8604+3	5
EE15	29	NH7ED6	7	NHPBS6CB400	18	NHRS8904	5
EE16	29	NH8+3	12	NHPCB1TS	19	NHRS8906	6
EE17	29	NH8+6	12	NHPCB3TS	19	NHRS9304	5
EE18	29	NH804	4	NHPCB400	19	NHRS9306	6
EE19	29	NH804+3	4	NHPCB400	19	NHRS9804	5
EE2	29	NH804+6	4	NHRCDKIT	13	NHRS9806	6
EE20	29	NH806	6	NHRM1104	4	NHRSX5704	4
EE21	29	NH806+3	7	NHRM1104+3	4	NHRSX5706	7
EE22	29	NH806+6	7	NHRM1106	6	NHRSX6604	4
EIU	9	NHCBDK15	18	NHRM1404	4	NHRSX6606	7

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NHRSX7506	7	NSB06-C	14
NHRSX8904	4	NSB06-D	14
NHRSX8906	7	NSB10	9
NHRSX9804	4	NSB10-B	14
NHRSX9806	7	NSB10-C	14
NHNSN1	12	NSB10-D	14
NHNSN14	12	NSB16	9
NHNSN16	12	NSB16-B	14
NHNSN5	12	NSB16-C	14
NHNSN8	12	NSB16-D	14
NHSPAK	13	NSB20	9
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NHSTM10706	7	NSB306-D	14
NHSTM11604	5	NSB310-B	14
NHSTM11606	7	NSB310-C	14
NHSTM12504	5	NSB310-D	14
NHSTM12506	7	NSB316-B	14
NHSTM3604	5	NSB316-C	14
NHSTM3606	7	NSB316-D	14
NHSTM3904	5	NSB32	9
NHSTM3906	7	NSB320-B	14
NHSTM4504	5	NSB320-C	14
NHSTM4506	7	NSB320-D	14
NHSTM4804	5	NSB32-B	14
NHSTM4806	7	NSB32-C	14
NHSTM51204	5	NSB32-D	14
NHSTM51206	7	NSB332-B	14
NHSTM5404	5	NSB332-C	14
NHSTM5406	7	NSB332-D	14
NHSTM5704	5	NSB340-B	14
NHSTM5706	7	NSB340-C	14
NHSTM61104	5	NSB340-D	14
NHSTM61106	7	NSB350-B	14
NHSTM6304	5	NSB350-C	14
NHSTM6306	7	NSB350-D	14
NHSTM6604	5	NSB363-B	14
NHSTM6606	7	NSB363-C	14
NHSTM71004	5	NSB363-D	14
NHSTM71006	7	NSB40	9
NHSTM7504	5	NSB40-B	14
NHSTM7506	7	NSB40-C	14
NHSTM8404	5	NSB40-D	14
NHSTM8406	7	NSB50	9
NHSTM8904	5	NSB50-B	14
NHSTM8906	7	NSB50-C	14
NHSTM9304	5	NSB50-D	14
NHSTM9306	7	NSB63-B	14
NHSTM9804	5	NSB63-C	14
NHSTM9806	7	NSB63-D	14
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Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Latest details can be obtained from Wylex.

Publication No.WY 1975 11/02
Printed in England.