



Miniature RCBOs & MCBs

(for domestic household premises
& similar installations)

NHX & NHXL Devices

WYLEX MINIATURE RCBOs

A range of MCB sized RCBOs for use in domestic household premises and similar installations.

Wylex miniature RCBOs bring higher levels of safety to an electrical installation and its users because they include switched neutral as standard and bring cost savings by reducing installation and testing times.



Safer installations means safer homes

Wylex Miniature RCBOs with switched neutral built in as standard will fully isolate a faulty or damaged circuit by disconnecting live and neutral conductors.

Using Wylex Miniature RCBOs will guarantee that healthy circuits remain in service and that only a faulty circuit is switched off. This avoids danger and prevents inconvenience in the event of a fault (as required by regulation 314.1)*.

Miniature RCBOs take up less space in the consumer unit and so provide more wiring space for the installer, making the installation process easier and quicker.

Wylex RCBOs go one step further, they have switched neutral built in as standard, live and neutral conductors do not have to be disconnected for insulation resistance testing. This saves time and money, particularly for responsible landlords who regularly test installations during occupancy voids.

* BS 7671 IET Wiring Regulations



Consumer Unit MCBs & Miniature RCBOs



NHXS MINIATURE RCBO (MCB sized 1 module with switched neutral)

B CURVE	C CURVE	CURRENT RATING	RCD RATING	POLES	MODULES
NHXS1B06	NHXS1C06	6A	30mA	2	1
NHXS1B10	NHXS1C10	10A	30mA	2	1
NHXS1B16	NHXS1C16	16A	30mA	2	1
NHXS1B20	NHXS1C20	20A	30mA	2	1
NHXS1B25	-	25A	30mA	2	1
NHXS1B32	NHXS1C32	32A	30mA	2	1
NHXS1B40	NHXS1C40	40A	30mA	2	1

• Type A - Pure AC and pulsating DC sensitivity

WRCBL MINIATURE RCBO (MCB sized 2 module with switched neutral)

B CURVE	C CURVE	CURRENT RATING	RCD RATING	POLES	MODULES
WRCBL45B2	WRCBL45C2	45A	30mA	2	2
WRCBL50B2	WRCBL50C2	50A	30mA	2	2

• Type A - Pure AC and pulsating DC sensitivity



NHXL MINIATURE CIRCUIT BREAKERS (6kA)

B CURVE	C CURVE	CURRENT RATING	POLES	MODULES
-	NHXLC03	3A	1	1
NHXLB06	NHXLC06	6A	1	1
NHXLB10	NHXLC10	10A	1	1
NHXLB16	NHXLC16	16A	1	1
NHXLB20	NHXLC20	20A	1	1
NHXLB25	-	25A	1	1
NHXLB32	NHXLC32	32A	1	1
NHXLB40	NHXLC40	40A	1	1
NHXLB50	NHXLC50	50A	1	1

NHX Miniature RCBOs and NHXL MCBs are for use in Wylex Consumer Units as shown below



NMX seamless all metal enclosures



NM all metal enclosures

MODEL	RCBO	MCB
Product brand name	NHXS	NHXL
Product designation	RCD operated circuit breaker	Miniature circuit breaker
GENERAL TECHNICAL DATA		
Number of poles	2	1
Number of poles / Note	1P+N	1P
Number of poles / with protection	1	1
Tripping characteristics class	B or C	B or C
RCD type	A	-
Mechanical service life (switching cycles) / typical	10,000	-
Overvoltage category	III	3
PRODUCT FUNCTION		
Product function / neutral conductor switching	Yes	N/A
VOLTAGE		
Surge current resistance / at (8/20) μ s	1kA	N/A
SUPPLY VOLTAGE		
• at AC / rated value	240V	250V
• for testing equipment / minimum	195V	-
Supply voltage frequency / rated value	50Hz	50Hz
PROTECTION CLASS		
Protection class IP	IP20	IP20
Energy limiting class	3	3
SWITCHING CAPACITY CURRENT		
• acc. to EN 60898 / rated value	6kA	6kA
DISSIPATION		
Power loss (W)		
• for rated value of the current / at AC / in hot operating state / per pole	1.5W	2.6W
• maximum	2.6W	2.6W
ELECTRICITY		
Tripping residual current / rated value	30mA	N/A
Rated current in / IEC, DIN/VDE / at 40 cel	9.4A	15.08A
Current / at AC / rated value	6A - 40A	3A - 50A
CONNECTIONS		
Connectable conductor cross-section / stranded		
• minimum	0.75mm ²	0.75mm ²
• maximum	16mm ²	25mm ²
Connectable conductor cross-section		
• solid - minimum	0.75mm ²	0.75mm ²
• solid - maximum	16mm ²	25mm ²
• finely stranded / with core end processing - minimum	0.75mm ²	0.75mm ²
TIGHTENING TORQUE / WITH SCREW-TYPE TERMINALS		
Line terminal		
• minimum	2.5Nm	2.3Nm
• maximum	3.0Nm	3.0Nm
Load terminal		
• minimum	1.2Nm	2.3Nm
• maximum	2.0Nm	3.0Nm
MECHANICAL DESIGN		
Height x Width x Depth	90mm x 18mm x 77mm	90mm x 18mm x 77mm
Mounting position	Any	Any
Installation depth	70mm	70mm
Number of width units	1	1
Net weight	130g - 168g	116g - 156g
ENVIRONMENTAL CONDITIONS		
Degree of pollution	2	2
Influence of the surrounding temperature	Maximum 95% humidity	Maximum 95% humidity
Ambient Temperature		
• minimum	-25°C	-25°C
• maximum	55°C	45°C
• during storage / minimum	-40°C	-40°C
• during storage / maximum	75°C	75°C



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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.

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