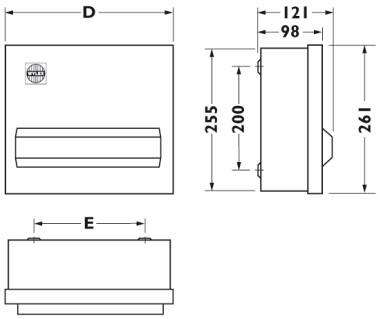
DATA SHEET
13 WAY METAL HI INTEGRITY CONSUMER UNIT WITH INTEGRAL SURGE PROTECTION DEVICE NHSPD4621T2

Catalogue Reference :- NMRS13SSLMHISA



Current Rating	100A
Operating Voltage	240Volts +10/-6%
Short Circuit Rating	16kA when protected by a 100A HRC fuse to BS1361
Insulation Voltage	500Volts AC
IP Rating	IP2XC
Consumer Unit	BSEN 61439-3
Main Switch	BSEN 60947-3
RCD Incomer	BSEN 61008
Colour	RAL 9010
Box Material	Steel
Lid Material (including visor)	Steel
Outgoing Terminal Size Neutral Bar	Maximum cable Size 16mm^2
Outgoing Terminal Size Earth Bar	Maximum cable Size 16mm^2
Incoming Terminal Size Neutral Bar	Maximum cable Size 16mm^2
Incoming Terminal Size Earth Bar	Maximum cable Size 16mm^2
Incoming Switch Disconnector Size	Maximum cable size Main Switch 50mm^2, RCD 35mm^2
Dimensions	**Width** D 438mm **Fixings** E 356mm

Compatible Circuit Protection Devices:

MCBs		**RCBOs**	
6kA B curve (3-5In)	6kA C curve (5-10In)	6kA B curve (3-5In)	6kA C curve (5-10In)
NHXLB06	NHXLC06	NHXS1B06	NHXS1C06
NHXLB10	NHXLC10	NHXS1B10	NHXS1C10
NHXLB16	NHXLC16	NHXS1B16	NHXS1C16
NHXLB20	NHXLC20	NHXS1B20	NHXS1C20
NHXLB32	NHXLC32	NHXS1B32	NHXS1C32
NHXLB40	NHXLC40	NHXS1B40	NHXS1C40
NHXLB50	NHXLC50	NHXSBS1B50	NHXSBS1C50

Replacement Incoming devices

- **WS102** (main switch)
- **WRDS80/2** (80A 30mA RCD)
- **WRM100/2** (100A 100mA RCD)

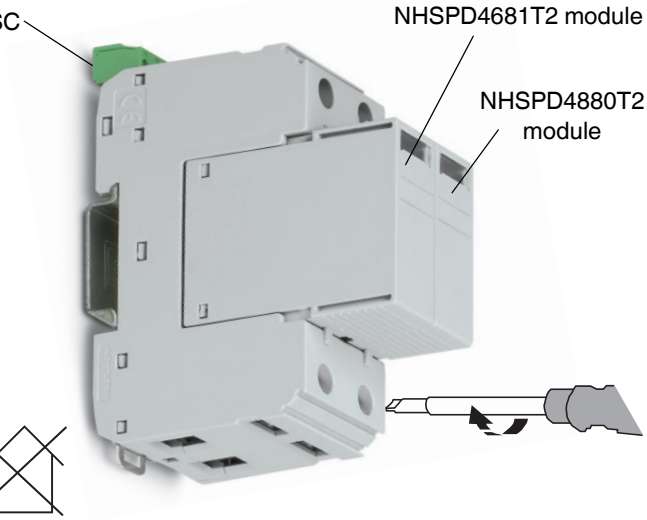
Replacement Spare Items

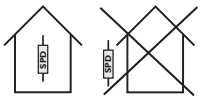
- **B4471/SPARE** (user operating instructions)
- **NHLABELPACK** (Full Kit of Labels)
- **NM16/MCLA** (complete lid assembly)

Sales Telephone: 01543 455020 Technical Telephone: 01543 438320
Email: wylex.technical@electrium.co.uk Web: www.electrium.co.uk

INSTALLATION INSTRUCTIONS

NHSPD4621T2

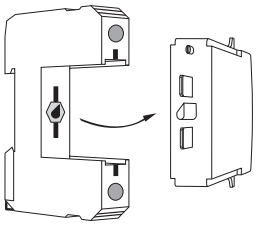


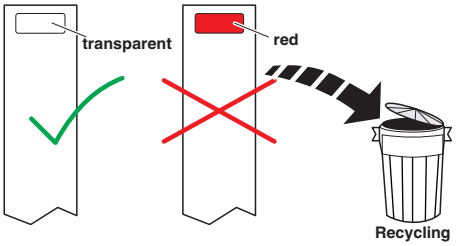


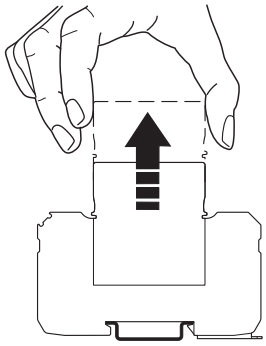
Indoor use only

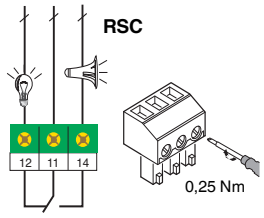
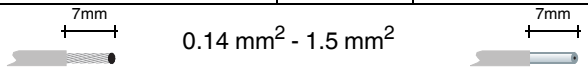
	NHSPD4621T2
protective system	TN-S / TT
requirement class	C acc. to E DIN VDE 0675-6; SPD class II acc. to IEC 61643-11; SPD Type 2 acc. to EN 61643-11
max. continuous operating voltage U_C	L-N / N-PE 350 V a.c. / 260 V a.c.
nominal voltage U_N	230...240 V a.c. 50/60 Hz
nominal discharge current I_n (8/20)µs	20 kA
max. discharge current I_{max} (8/20)µs	40 kA
protection level U_p	≤ 1.5 kV
short-circuit current rating I_{SCCR}	25 kA_{eff}
operating temperature range	-40 ... +80°C
degree of protection	IP20
max. backup fuse	Application A: 80 A gG Application B: 125 A gG
∅ min. L, N, PE	16 mm 1.5 mm² 16 mm 1.5 mm²
∅ max. L, N, PE	35 mm² 25 mm²
tightening torque	3 Nm (1,5 mm² ... 16 mm²) 4,5 Nm (25 mm² ... 35 mm²)
replacement plug in module	NHSPD4681T2 NHSPD4880T2

Coding



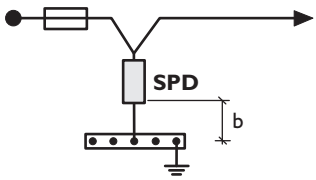




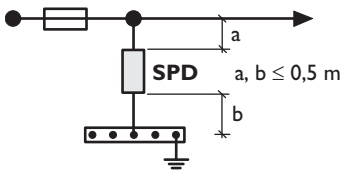
remote signalling contact		
NHSPD4621T2		
	U_{max}/I_{max} a.c.:	250 V / 1.5 A
	U_{max}/I_{max} d.c.:	125 V / 0.2 A 30 V / 1A
		

Installation

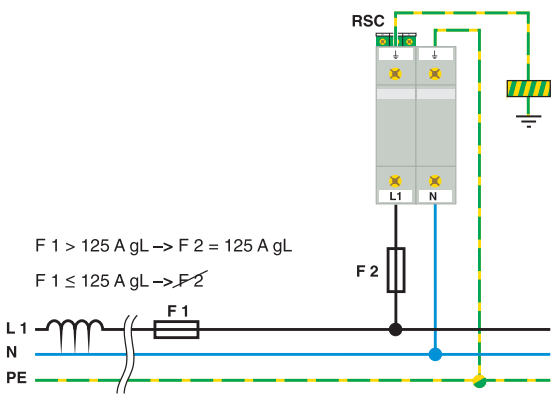
A V-wiring
BS7671:2008 + A1:2011-534
DIN VDE 0100-534;
IEC 60364-5-53
≤ 0,5 m preferred, max. 1m



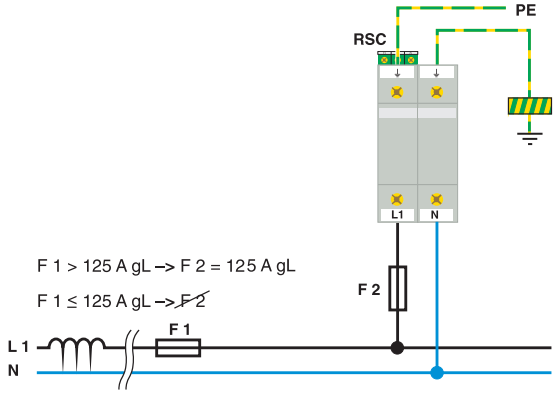
B Stub wiring
BS7671:2008 + A1:2011-534
DIN VDE 0100-534 ⇒ (a, b ≤ 0,5 m)
IEC 60364-5-53;
CEI 81-8:2002-02 ⇒ (a + b ≤ 0,5 m)
≤ 0,5 m preferred, max. 1m



TN-C-S (PME) & TN-S



TT



Safety instructions
see back view

Z-NR: 9058485_03/20.3.19

INSTALLATION INSTRUCTIONS

Electrium Sales Limited
Walkmill Lane, Cannock, WS11 0XE, England
Tel: 01543 455000
Fax: 01543 455001

NHSPD4621T2 are surge arresters for DIN rail mounting, consisting of surge arresters NHSPD4681T2 (for 350 V), and NHSPD4880T2 (for 260 V) on a varistor basis.

⚠ Safety notes

The device may only be connected and installed by a qualified electrician. The national rules and safety regulations must be observed (see also BS7671:2008). Country-specific regulations and laws must also be observed.
The device may only be used under the conditions shown and referred to in these installation instructions. Loads above the values indicated can lead to the destruction of the device and the electrical equipment connected.
The manufacturer's warranty no longer applies if the device is opened.

Insulation resistance measurements
Unplug all the protection modules before performing an insulation resistance measurement in the system. Otherwise inaccurate measurements are possible. Re-insert the plug modules into the base element after the insulation resistance measurement.