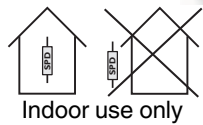
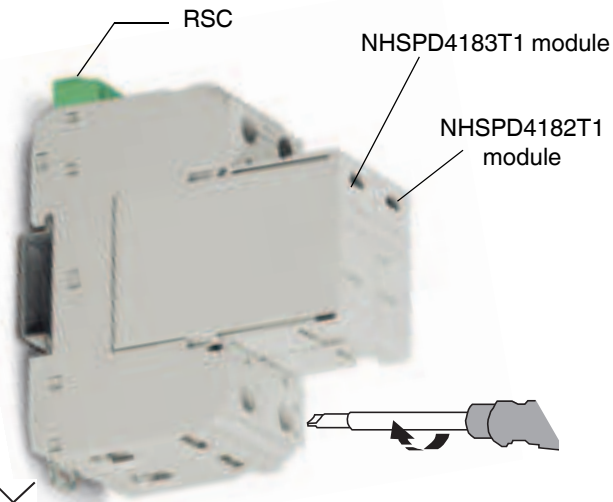


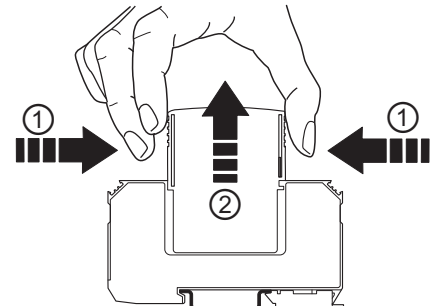
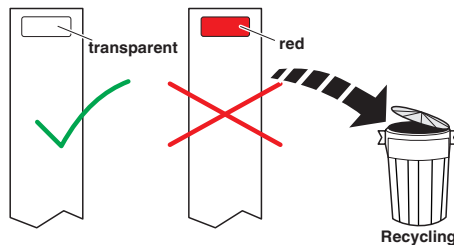
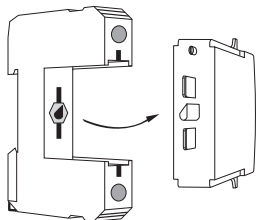


INSTALLATION NHSPD4123T1

INSTRUCTIONS



Coding



	NHSPD4123T1
protective system	TN-S / TT / TN-C L, N, PE
requirement class	B, C acc. VDE 0675-6; SPD class I, II acc. IEC 61643-11; SPD Type 1, Type 2 acc. EN 61643-11
lightning protection level	III, IV
max. continuous operating voltage U_C	L-N: 335 V a.c. / N-PE: 264 a.c.
nominal voltage U_N	230/400 V a.c. ... 240/415 V a.c. 50/60 Hz
lightning test current I_{imp} (10/350) μ s per path	L-N: 12.5 kA / N-PE: 50 kA
nominal discharge surge current I_n (8/20) μ s per path	L-N: 12.5 kA / N-PE: 50 kA
max. discharge surge current I_{max} (8/20) μ s per path	L-N: 50 kA / N-PE: 50 kA
protection level U_p	L-N: $\leq 1,2$ kV / N-PE: $\leq 1,7$ kV
U_{TOV} (withstand, 5 sec. (L-N)/ withstand, 200 msec. (N-PE))	L-N: 415 V a.c. / N-PE: 1200 V a.c.
short circuit current rating I_{SCCR}	25 kA _{eff}
temperature range	-40 ... +80°C
degree of protection	IP20
max. backup fuse	160 A gL/gG
$\varnothing$ min. L, N, PE	16 mm 1.5 mm ² 16 mm 1.5 mm ²
$\varnothing$ max. L, N, PE	35 mm ² 35 mm ² 25 mm ²
tightening torque	3 Nm (1.5 mm ² ... 16 mm ²) 4,5 Nm (25 mm ² ... 35 mm ²)
replacement plug in module	NHSPD4182T1 (N-PE) / NHSPD4183T1 (L-N)

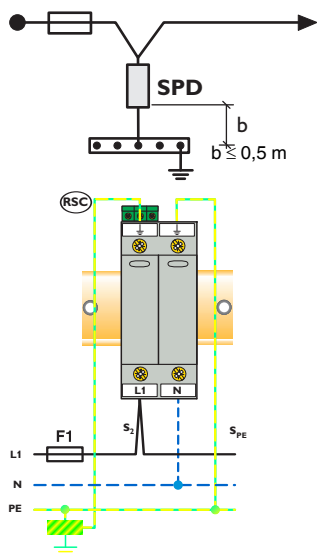
TN-S / TT

A

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

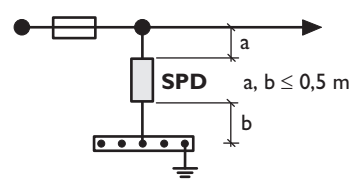
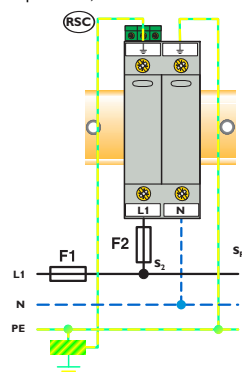
Backup Fuse

F1 A gL/gG	S ₂ mm ²	S _{PE} mm ²
25	6	16
35	6	16
40	6	16
50	10	16
63	10	16
80	16	16



B

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



Backup Fuse

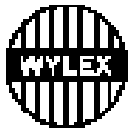
F1 A gL/gG	F2 A gL/gG	S ₂ mm ²	S _{PE} mm ²
25		6	16
35		6	16
40		6	16
50		6	16
63		10	16
80		10	16
100		16	16
125		16	16
> 160	160	25	25

fuse recommended by the manufacturer

remote signalling contact NHSPD4123T1	
	U_{max}/I_{max} a.c.: 250 V/ 1.5 A
	U_{max}/I_{max} d.c.: 30 V/ 1.5 A
0.14 mm ² - 1.5 mm ²	

Safety
instructions
see back view





INSTALLATION INSTRUCTIONS

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

The NHSPD4123T1 are lightning arresters with pluggable NHSPD4183T1 protection modules on varistor basis and an encapsulated NHSPD4182T1 spark gap.



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.