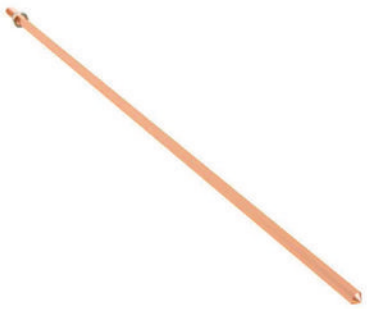
Allied Export

Please find below a selection of our fast moving products, for full product list and further information please get in touch with us on +44 (0)1925 232662 or email us at mail@alliedexport.co.uk

AIR TERMINATION

AIR TERMINALS



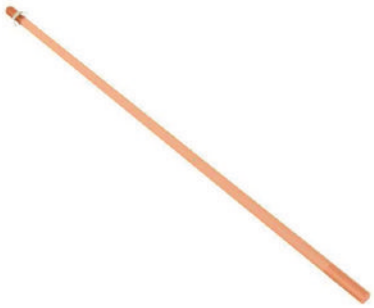
ROD LENGTH (mm)	ROD DIAMETER (mm)	MATERIAL	WEIGHT (Kg)	PART No.
500	10	COPPER	0.33	ATCR1005
1000	10	COPPER	0.65	ATCR1010
500	16	COPPER	0.75	ATCR1605
1000	16	COPPER	1.50	ATCR1610
1500	16	COPPER	2.25	ATCR1615
2000	16	COPPER	3.00	ATCR1620
2500	16	COPPER	3.75	ATCR1625
3000	16	COPPER	4.50	ATCR1630
500	10	ALUMINIUM	0.11	ATAR1005
1000	10	ALUMINIUM	0.20	ATAR1010
500	16	ALUMINIUM	0.29	ATAR1605
1000	16	ALUMINIUM	0.58	ATAR1610
1500	16	ALUMINIUM	0.87	ATAR1615
2000	16	ALUMINIUM	1.16	ATAR1620
2500	16	ALUMINIUM	1.45	ATAR1625
3000	16	ALUMINIUM	1.74	ATAR1630

Kingsmill air terminals are designed to be used with either the standard air terminal base, multi purpose base or the side mounted brackets.

Material: Copper / Aluminium.

BS EN 62561-2

ELEVATION RODS



ROD LENGTH (mm)	ROD DIAMETER (mm)	WEIGHT (Kg)	PART No.
500	16	0.75	CELV1605
1000	16	1.50	CELV1610
1500	16	2.25	CELV1615
2000	16	3.0	CELV1620
2500	16	3.75	CELV1625
3000	16	4.50	CELV1630

Kingsmill elevation rods are designed to be used with either the standard air terminal base, multi purpose base or the side mounted brackets and the multi point air terminal.

Material: Copper.

BS EN 62561-2

AIR TERMINATION

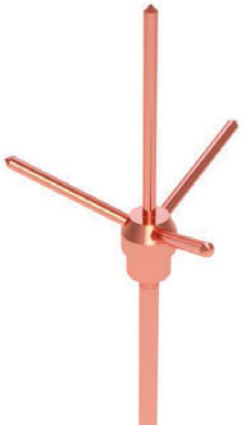
MULTI POINTS

ROD DIA. (mm)	MATERIAL	WEIGHT (Kg)	PART No.
16	COPPER	0.54	MPAT

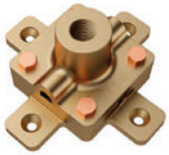
Kingsmill multi points are designed to be used with the Kingsmill elevation rod.

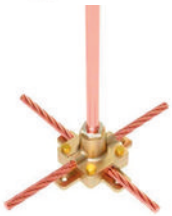
Material: Copper.

BS EN 62561-2



AIR TERMINAL BASES





ROD DIA. (mm)	CONDUCTOR SIZE (mm)	MATERIAL	WEIGHT (Kg)	PART No.
16	25	COPPER	0.50	CATB16
16	25	ALUMINIUM	0.17	AATB16
10	8 OR 25 x 3	ALUMINIUM	0.15	AATB10
16	50mm²	COPPER	0.80	CATB50
16	70mm²	COPPER	0.75	CATB70
16	95mm²	COPPER	0.90	CATB95

Kingsmill air terminal bases are designed to be used with the Kingsmill Air terminals and elevation rods.

Material: Gunmetal / Aluminium.

BS EN 62561-1, CLASS H

AIR TERMINATION

SIDE MOUNTED ROD BRACKETS

ROD DIA. (mm)	MATERIAL	WEIGHT (Kg)	PART No.
16	GUNMETAL	0.91	RBC16
16	ALUMINIUM	0.29	RBA16

Kingsmill side brackets are designed to be installed to the side of the building where it is not possible to fit a conventional air terminal base.

The side mounted brackets are to be used in conjunction with the rod to tape coupling.

Material: Gunmetal / Aluminium.

ROD TO TAPE COUPLING

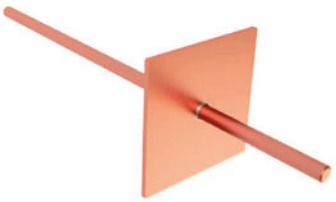
ROD DIA. (mm)	CONDUCTOR SIZE (mm)	MATERIAL	WEIGHT (Kg)	PART No.
16	25 x 3	GUNMETAL	0.23	RBCC16
16	25 x 3	ALUMINIUM	0.08	RBCA16
16	8	GUNMETAL	0.25	RBCC-08

Kingsmill rod to tape couplers are designed to be used in conjunction with our side mounted brackets.

Material: Gunmetal / Aluminium.

BS EN 62561-1, CLASS H

PUDDLE FLANGES



NOMINAL DIM. (mm)	MATERIAL	WEIGHT (Kg)	PART No.
150 x 150 x 625	COPPER	1.54	CPF
150 x 150 x 625	ALUMINIUM	0.50	APF

Kingsmill puddle flanges are designed to take lightning conductors through roofs etc.

Material: Copper to BS EN 13601 / Aluminium to BS EN 755-5.

SURGE PROTECTION

INTRODUCTION TO SURGE PROTECTION

An Introduction to Surge Protection:

Lightning / Surge protection for electrical and electronic systems to the new British and European standard BS EN 62305-4.
Kingsmill Industries (UK) Ltd can offer a complete solution to protect vital electrical and electronic systems from damage. Recently introduced standards put equal importance to protecting the electrical installation and electrical equipment as to the building itself.
Modern micro electronic components are very sensitive to overvoltage's and because many systems are networked, they rely on each other for the system to operate. If one part of the system gets damaged due to lightning or surges the whole system will not operate. The consequential losses suffered during such events i.e. downtime and lost production can be very high.
Kingsmill Industries (UK) Ltd can offer a wealth of experience in helping you decide which product best suits your needs together with our manufacturer who has many years experience in the industry. You can speak to a product specialist who will quickly answer any questions you may have and recommend the correct product for your application. Our catalogue contains the most commonly used products. We have however, over 4000 devices and components, a product for every application.

New Standard BSEN62305-4 1st Sept 2008 & 17th Edition Wiring Regs Amendments 1st Jan 2012.

This new standard replaced BS6651 on the above date, it is now mandatory to fit a lightning current arrester on main incoming panels which are situated in buildings with external lightning conductors or fed by an overhead line. This type of arrester are designated as a Type1, we recommend a combined T1+T2+T3 arrester as this gives additional surge protection for no added cost. The minimum discharge capability for a T1 arrester has to be 50Ka 10/350µs level 3 or 4.
For a Level 1 installation the minimum requirement is 100Ka 10/350µs.
Panels feeding external circuits such as car park lighting, cctv etc should also have a combined T1+T2+T3 arrester fitted as standard.
An example of a T1+T2+T3 combined arrester is SPC25 DS/4+0/LED 10651LED Level 1, 100Ka 10/350µs.
For panels in buildings without external lightning conductors and fed by underground cables a T2 surge arrester is sufficient. Sub-distribution boards or local control panels more than 10 metres from the main incomer and not feeding external circuits then a Type2 surge arrester can be used.
An example of a T2 surge arrester is Part no SY2-C40X.
Final sub-circuits and sensitive electronic equipment for example fire/burglar panels, PLC's which are fitted more than 10 metres from the last surge arrester should have a T3 surge arrester fitted at the panel or equipment to be protected.
An example of a T3 surge arrester is SY2-D/LED.

For further information including surge protection design and recommendations please contact our sales office.

Three SPD Classes:

Main Incoming Position	Sub Dist. Board Position	Socket Outlet or Final Sub Circuit
CLASS I	**CLASS II**	**CLASS III**
PROTECTION AGAINST DIRECT LIGHTNING CURRENTS (LIGHTNING CURRENT ARRESTER) (10/350 µs)	PROTECTION AGAINST INDIRECT LIGHTNING EFFECTS (SURGE ARRESTER) (10/350 µs)	PROTECTION AGAINST SWITCHING OVERVOLTAGES (SURGE ARRESTER) (10/350 µs)

SURGE PROTECTION

PROTECTION FOR INDUSTRIAL / COMMERCIAL / ELECTRICAL

Product sensitive electronic equipment with high quality European manufactured Surge Arresters. Todays highly sensitive electronics require protection, you can achieve this by using the following lightning / surge arresters. They are quick and easy to install, and are competitively priced against other brands.

SPD240

Type 2 single phase and neutral Surge arrester for 230v applications. This unit is ideal for controlling voltage surges and remote lightning strikes. Maximum discharge current 80ka 8/20µs. IP56 weatherproof polycarbonate enclosure also available as displayed.

Dimensions:

150 (H) x 115 (D) x 80 (W) (mm)

Backup size of MCB 32A to 63A

Cable Size - 4mm² to 10mm²

SPD415

Type 2 three phase and neutral Surge arrester for 415v applications. This unit is ideal for controlling voltage surges and remote lightning strikes. Maximum discharge current 160ka 8/20µs. IP56 weatherproof polycarbonate enclosure also available as displayed.

Dimensions:

150 (H) x 115 (D) x 80 (W) (mm)

Backup size of MCB 32A to 63A

Cable Size - 4mm² to 10mm²

1st AMENDMENT, 17th EDITION WIRING REGS COMPLIANT

SURGE PROTECTION

PROTECTION FOR INDUSTRIAL / COMMERCIAL / ELECTRICAL

Product sensitive electronic equipment with high quality European manufactured Surge Arresters. Todays highly sensitive electronics require protection, you can achieve this by using the following lightning / surge arresters. They are quick and easy to install, and are competitively priced against other brands.

LSPD240

Combined type 1 & 2 single phase and neutral, direct lightning and surge arrester for 230v applications. This unit is ideal for controlling voltage surges and even direct lightning strikes which directly hit the building. It is mandatory to fit such a device if the building has an external lightning conductor or Faraday Cage.

IP56 weatherproof polycarbonate enclosure also available as displayed.

Dimensions:

225 (H) x 115 (D) x 160 (W) (mm)

Backup size of MCB or fuse 60A min.

Cable Size - 16mm² to 25mm²

LSPD415

Combined type 1 & 2 three phase and neutral, direct lightning and surge arrester for 230v applications. This unit is ideal for controlling voltage surges and even direct lightning strikes which directly hit the building. It is mandatory to fit such a device if the building has an external lightning conductor or Faraday Cage.

IP56 weatherproof polycarbonate enclosure also available as displayed.

Dimensions:

225 (H) x 115 (D) x 160 (W) (mm)

Backup size of MCB or fuse 60A min.

Cable Size - 16mm² to 25mm²

1st AMENDMENT, 17th EDITION WIRING REGS COMPLIANT

SURGE PROTECTION

PROTECTION FOR INDUSTRIAL / COMMERCIAL / ELECTRICAL

TYPE 2 UNIVERSAL PLUGGABLE SURGE ARRESTERS

SY1-C-40X

SY2-C-40X

SPD According to	IEC61643-1 EN61643-11 Type 2
Maximum continuous operating voltage UcV	(350V DC) 275 VAC
Voltage protection level in Up Voltage protection level at 5kA Up Voltage protection level at 3kA Up	≤1.5kV ≤0.9kV ≤0.6kV
Nominal discharge current In (8/20μs)kA	20kA
Maximum discharge current Imax (8/20μs)kA	40kA
Withstand Short Circuit	50kA RMS
Response time ns	<25ns
Dimensions	72(W) 90(H) 66(D)mm, Din-Rail Mountable
Enclosure Material	Yellow/Grey, UL94 V-O
Degree of Protection	IP20
Recommended backup MCB/fuse	32A to 63A
Terminal Capacity: Phase Line Neutral Earth Line Signal Line	2.5-35mm² 4.0-35mm² 1.0mm²
Visual indication of Status	Green - OK, Red - Replace module
Remote Alarm Contact	Contact close if any part of the device fails

ENCLOSURES AVAILABLE UPON REQUEST

TYPE 2/3 UNIVERSAL PLUGGABLE SURGE ARRESTER - 2 POLE (SP + N)

SY2-D

SY2-D-LED

SPD According to	IEC61643-1 EN61643-11 Type 3
Maximum continuous operating voltage UcV	(275 V)
Voltage protection level at 3kA (8/20μs)	≤0.6kV
Nominal discharge current In (8/20μs)kA	5kA
Maximum discharge current Imax (8/20μs)kA	10kA
Response time ns	<25ns
Dimensions	18(W) 90(H) 66(D)mm
Enclosure Material	Grey, UL94 V-O
Degree of Protection	IP20
Recommended backup MCB/fuse	32A or less
Terminal Capacity	1.5mm² - 4mm²
Visual indication of Status	Black - OK, Red - Replace module
Remote Alarm Contact	Contact close if any part of the device fails
Din Rail Mountable	Yes

ENCLOSURES AVAILABLE UPON REQUEST

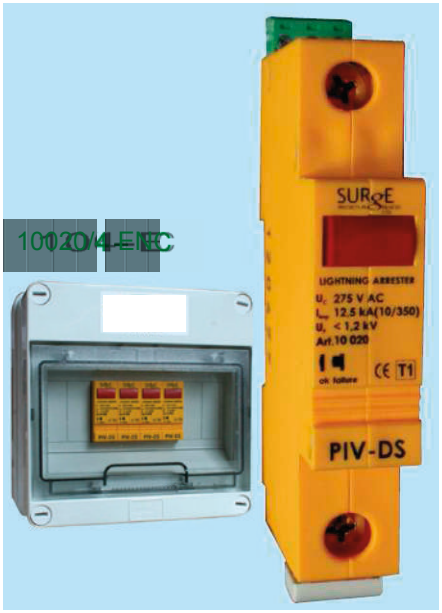
1st AMENDMENT, 17th EDITION WIRING REGS COMPLIANT

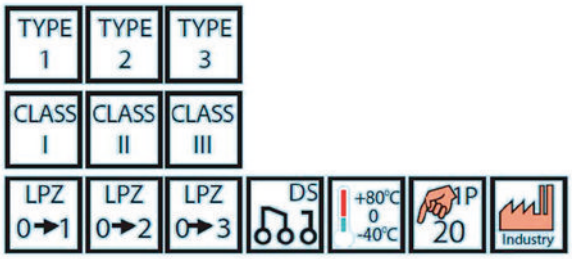
SURGE PROTECTION

COMPACT T1+T2+T3 COMBINED LIGHTNING CURRENT & SURGE ARRESTER

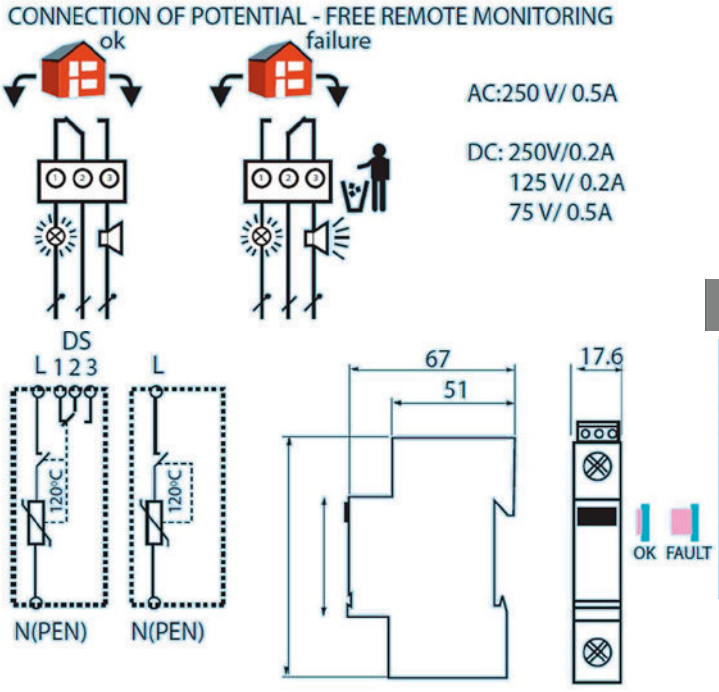
10020

Maximum continuous operating voltage	Uc	275 AC
Lightning impulse current (10/350) Charge Specific Energy	1_{mp} Q W/R	12.5kA 6.25 As 39 kJ/
Maximum discharge current (8/20)	1_{max}	100kA
Nominal discharge current (8/20)	1_n	20 kA
Temporary overvoltage (TOV)	U_T	335 V/5 sec
Voltage protection level at 1_{mp}	U_P	<1.2 kV
Response Time	t_A	< 25 ns
Rec. back-up fuse or MCB		63 AMPS
Lifetime		Min. 100,000 h
Short-circuit withstand capability At max. back-up fuse	I_P	60 kA rms
Weight	m	140g
Let through voltage at 3ka 8/20 µs Short circuit to BS6651:1999		A_{pp} C = 600 V
Part Number 1 Pole		10020
Part Number 4 Pole		10020/4





10020/4



1st AMENDMENT, 17th EDITION WIRING REGS COMPLIANT

SURGE PROTECTION

TYPE 1+2+3 COMBINED LIGHTNING & SURGE ARRESTERS

4 POLE ARRESTER

10651/LED

Type SPC25 DS/4+0/LED		
Max continuous operating voltage	Uc	275 V AC
Lightning impulse current (10/350) Charge Specific Energy	Limp Q W/R	25kA 12.5 As 156 kj/
Total Lightning current (10/350) L1+L2+L3+N-PE	Itotal	100kA
Max.discharge current (8/20) per mode	Imax	120kA
Nominal discharge current (8/20 per mode.	In	50kA
Voltage protection level at Iimp	up	<1.2kV
Response Time	tA	<25ns
Temporary overvoltage (TOV)	UT	335 V/5 sec.
Rec.Back-Up fuse/MCCB		63A/100A
Max. Back-Up fuse ("V" connection)		63AgL/gG
Short circuit withstand capability at max back-up fuse	Ip	80kArms
Weight	m	1125g
Lifetime		Min 100,000 h
Let through voltage (I) 3ka 8/20µs, short circuit current to BS 6651+1999 AppC		600V

ENCLOSURES AVAILABLE UPON REQUEST

2 POLE ARRESTER

10650/LED

Type SPC25 DS/4+0/LED		
Max continuous operating voltage	Uc	275 V AC
Lightning impulse current (10/350) Charge Specific Energy	Limp Q W/R	25kA 12.5 As 156 kj/
Total Lightning current (10/350) L1+L2+L3+N-PE	Itotal	50kA
Max.discharge current (8/20) per mode	Imax	120kA
Nominal discharge current (8/20 per mode.	In	50kA
Voltage protection level at Iimp	up	<1.2kV
Response Time	tA	<25ns
Temporary overvoltage (TOV)	UT	335 V/5 sec.
Rec.Back-Up fuse/MCCB		63A/100A
Max. Back-Up fuse ("V" connection)		63AgL/gG
Short circuit withstand capability at max back-up fuse	Ip	80kArms
Weight	m	565g
Lifetime		Min 100,000 h
Let through voltage (I) 3ka 8/20µs, short circuit current to BS 6651+1999 AppC		600V

ENCLOSURES AVAILABLE UPON REQUEST

1st AMENDMENT, 17th EDITION WIRING REGS COMPLIANT