



CÔNG TY TNHH TM - KT VĨNH AN
14 đường 34B, phường An Phú, quận 2, HCM

CATALOGUE VẬT TƯ CHỐNG SÉT

2024

www.vinanco.com

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■ Thuốc hàn hóa nhiệt (Welding powder)



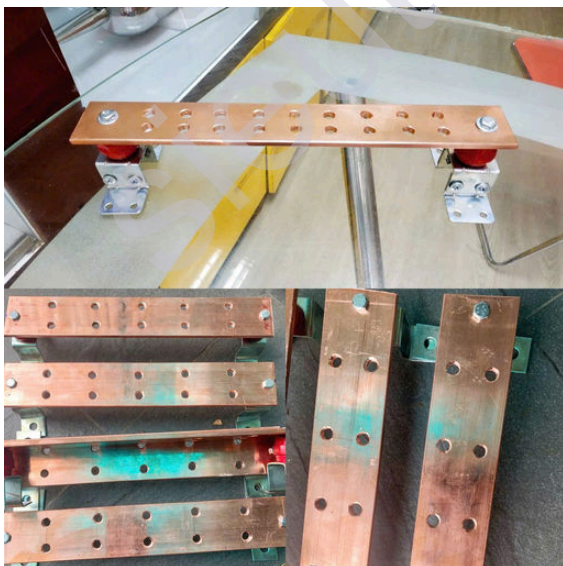
Trọng lượng	Thương hiệu
90g	VINANCO
115g	VINANCO

■ Bộ khuôn hàn hóa nhiệt và phụ kiện (Welding mold & Accessories)



Mã khuôn	Quy cách	Phụ kiện
CR2-N-1650	Cọc D16 – Cáp 50mm ²	Tay kẹp Súng môi Chổi
CR2-N-1670	Cọc D16 – Cáp 70mm ²	

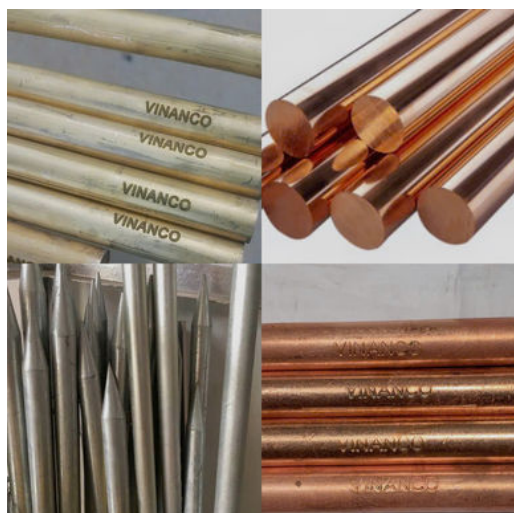
■ Thanh đồng tiếp địa



Kích thước	Chất liệu
500x100x5	Đồng
500x50x5	
400x50x5	
400x50x6	
300x200x5	
300x100x6	
300x50x5	
250x200x5	
200x100x5	
200x60x5	
200x50x5	

*Kích thước làm theo yêu cầu của khách hàng, kèm sứ đỡ và đế gắn

■ **Cọc tiếp địa tròn (Earth rod)**



Cọc	Ø (mm)	Chiều dài	Vật liệu
Đồng thau	14 16 18 20	1m-3m	Đồng vàng
Mạ đồng	14 16 18 20	1m-3m	Lớp mạ đồng
Đồng đỏ	14 16 18 20	1m-3m	Hàm lượng đồng ≥99%
Mạ kẽm	14 16 18 20	1m-3m	Sắt mạ kẽm

■ **Cọc tiếp địa V mạ kẽm nhúng nóng (Galvanized steel earth rod)**



Quy cách	Chiều dài
Cọc tiếp địa mạ kẽm V50x50x5mm	2.5m-3,0m
Cọc tiếp địa mạ kẽm V50x50x6mm	2.5m-3,0m
Cọc tiếp địa mạ kẽm V63x63x5mm	2.5m-3,0m
Cọc tiếp địa mạ kẽm V63x63x6mm	2.5m-3,0m

■ **Hộp kiểm tra tiếp địa (Test box)**



Kích thước	Chất liệu
210x160x100	Sơn tĩnh điện
200x200x100	Sơn tĩnh điện
300x200x100	Sơn tĩnh điện
200x200x100	PVC
300x200x100	PVC

*Hộp đã gồm thanh đồng và phụ kiện

• **Cáp neo trụ**



Ø	Kích thước	Chất liệu
D6	Tùy theo yêu cầu khách hàng	Thép, inox
D8	Tùy theo yêu cầu khách hàng	Thép, inox
D10	Tùy theo yêu cầu khách hàng	Thép, inox
D12	Tùy theo yêu cầu khách hàng	Thép, inox

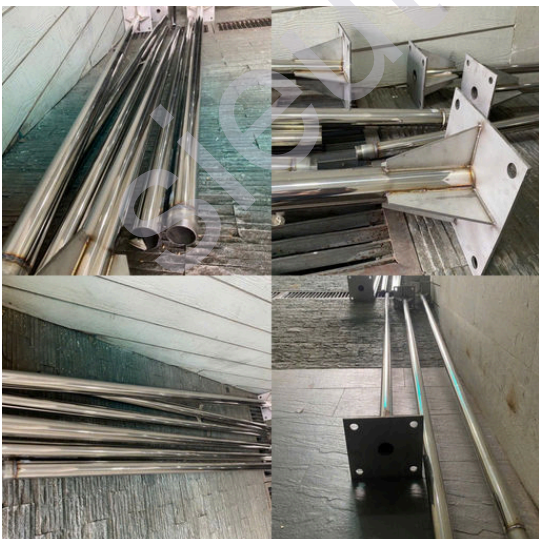
- Một bộ cáp neo sẽ gồm tăng dơ, dây neo, ốc siết, bu lông...
- Về quy cách chúng tôi cũng có đa dạng lựa chọn từ D6 đến D22

• **Khớp nối cách điện**



Kích thước	Trụ
D60/34	D42
D60/42	D49
D60/49	D60

• **Trụ đỡ kim thu sét inox**



Kích thước	Trụ
1m-6m	D42
1m-6m	D49
1m-6m	D60

**Kích thước làm theo yêu cầu của khách hàng*

- Trụ đỡ kim thu sét mạ kẽm



Kích thước	Trụ
1m-6m	D42
1m-6m	D49
1m-6m	D60

*Kích thước làm theo yêu cầu của khách hàng

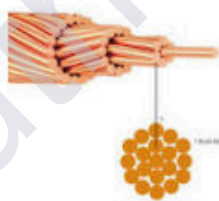
- Cáp đồng trần Vinanco

2. Tiêu chuẩn

TCVN 5064 - 1994; TCVN 5064 :
1994/SĐ 1 : 1995


3. Kết cấu

Được xoắn từ
nhiều sợi nhỏ




TIẾT DIỆN	KẾT CẤU	ĐƯỜNG KÍNH	KHỐI LƯỢNG
16mm ²	7/1,70mm	5,10mm	7,1m/kg
25mm ²	7/2,13mm	6,39mm	4,60m/kg
38mm ²	7/2,51mm	7,53mm	3,03m/kg
50mm ²	19/1,70mm	9,00mm	2,30m/kg
70mm ²	19/2,13mm	10,56mm	1,64m/kg
95mm ²	19/2,51mm	12,55mm	1,21m/kg
120mm ²	19/2,80mm	14,00mm	0,96m/kg
150mm ²	19/3,15mm	15,75mm	0,77m/kg

• CỌC TIẾP ĐỊA MẠ ĐỒNG ACE



EARTHING ROD / GROUNDING ROD & FITTINGS



COPPER BONDED GROUNDING ROD / EARTH ROD

"ACE" copper bonded earth rod are made from low carbon Steel.
Earth Rods are molecularly bonded with pure copper.

Salient Features :


- * Perfectly Bonded rod will last longer, drive easier and will not crack.
- * Corrosion resistance while providing the lowest resistance to ground.
- * Threads are rolled by roll threading process, which ensures that an even copper covering is maintained, even at the roof of the thread. Roll thread gives greater strength than cut thread.
- * Thread rolling process raises the surface of the rod, so that thread dia (T) is greater than shank dia. (S). As seen in figure :-

Rod Dia. 'S'

→

Thread Dia. 'T'

→



DIMENSION ROD SIZE (DIA x LENGTH)	ACTUAL ROD DIA 'S'	THREAD DIA 'T'	PROD. CODE COPPER BONDED	PROD. CODE SOLID COPPER
9.5 x 1200 (UN - THREADED)	9.5	-	ABR - 012	ACRT - 012
9.5 x 1800 (UN - THREADED)	9.5	-	ABR - 018	ACRT - 018
14 x 1200	12	14	ABR - 1412	ACRT - 1412
14 x 1500	12	14	ABR - 1415	ACRT - 1415
14 x 1800	12	14	ABR - 1418	ACRT - 1418
14 x 2000	12	14	ABR - 1420	ACRT - 1420
14 x 2400	12	14	ABR - 1424	ACRT - 1424
5/8" x 4' or 16mm x 1200	14.2	5/8"	ABR - 112	ACRT - 112
5/8" x 5' or 16mm x 1500	14.2	5/8"	ABR - 115	ACRT - 115
5/8" x 6' or 16mm x 1800	14.2	5/8"	ABR - 118	ACRT - 118
5/8" x 8' or 16mm x 2400	14.2	5/8"	ABR - 124	ACRT - 124
5/8" x 10' or 16mm x 3000	14.2	5/8"	ABR - 130	ACRT - 130
5/8" x 4' or 16mm x 1200	16	5/8"	ABR - 312	ACRT - 312
5/8" x 5' or 16mm x 1500	16	5/8"	ABR - 315	ACRT - 315
5/8" x 6' or 16mm x 1800	16	5/8"	ABR - 318	ACRT - 318
3/4" x 4' or 19mm x 1200	17.2	3/4"	ABR - 212	ACRT - 212
3/4" x 5' or 19mm x 1500	17.2	3/4"	ABR - 215	ACRT - 215
3/4" x 6' or 19mm x 1800	17.2	3/4"	ABR - 218	ACRT - 218
3/4" x 8' or 19mm x 2400	17.2	3/4"	ABR - 224	ACRT - 224
3/4" x 10' or 19mm x 3000	17.2	3/4"	ABR - 230	ACRT - 230
1" x 8' or 25mm x 2400	23.1	1"	ABR - 424	ACRT - 424
1" x 10' or 25mm x 3000	23.1	1"	ABR - 430	ACRT - 430

* Above Rod Can also be made as per customer specification.
 * UL listed Rods are minimum 1/2" Dia. & 2400 mm in length.
 * Available in various copper coating microns : 350, 250, 100 & more.

• HÓA CHẤT GIẢM ĐIỆN TRỞ ACE

BENTONITE MOISTURE RETAINING CLAY

Used as an earth - electrode backfill to reduce soil resistivity by retaining moisture.



DESCRIPTION	PROD CODE
Bentonite Powder	ABPP - 01
Bentonite Granules	ABPP - 02

EARTH ENHANCING POWDER

Used as an earth - electrode backfill to reduce soil resistivity by retaining moisture.



DESCRIPTION	PROD CODE
Earth Enhancing Powder	AEEP - 01
Earth Enhancing Powder Pre - Mixed with Cement	AEEP - 02

CERTIFICATE OF ANALYSIS

PARTY: SUPER IMPEX

DATE: 28TH JUNE, 2021

SAMPLE NO.:

PRODUCT: ACE BACKFILL COMPOUND (ECO-
QUALITY)

QUALITY: REGULAR CONDUCTIVE POWDER

Sr. No.	Parameters	Specification
1.	Sodium Montmorillonite	10%
2.	Carbon Content	5%
3.	Conductive Cement	15%
4.	Graphite Carbon	25%
5.	Calcium Bentonite	40%
6.	Hydrous Aluminium Silicate	5%
	Mesh Size	200 MICRONS

For SUPER IMPEX


Partner

- Kim thu sét Thổ Nhĩ Kỳ Pro-hale

PRO-HALE 30 ESE LIGHTNING CONDUCTOR



PRO-HALE 30 ESE LIGHTNING CONDUCTOR is manufactured from high quality stainless steel which makes it durable against the toughest weather conditions.

When there is change in the electro magnetic field in the atmosphere, the ion generator inside the PRO-HALE 30 ESE terminal begins to release positive ions in to the atmosphere which attracts the lightning emissions on to the ESE rod. PRO-HALE 30 ESE rod is a unique product in a sense that it's measured ΔT is 48,65 μs which is also making it suitable for the requirements for an ESE rod with a ΔT : 30 μs proving a wide coverage. Standard product does not come with an adaptor. The adaptor rod has 30mm diameter with a 25mm internal diameter but we are able to manufacture rod adaptors to the customers requirement. Our product is certified from Protart High Voltage Test Laboratory in NFC 17.102 Annex C. You are able to find all the dimensional information regarding PRO-HALE 30 ESE inside the relevant NFC 17.102 test report.

Product Code	Material	ΔT : NFC-17 102 Test Results	Packing Dimensions(Cms)	Net Weight (kg)	Gross Weight (kg)
PRO-HALE 30	Stainless Steel	ΔT : 30 μs	11x11x48	1,05	1,65

PRO-HALE 60 ESE LIGHTNING CONDUCTOR



PRO-HALE 60 ESE LIGHTNING CONDUCTOR is manufactured from high quality stainless steel which makes it durable against the toughest weather conditions.

When there is change in the electro magnetic field in the atmosphere, the ion generator inside the PRO-HALE 60 ESE terminal begins to release positive ions in to the atmosphere which attracts the lightning emissions on to the ESE rod. PRO-HALE 60 ESE rod is a unique product in a sense that it's measured ΔT is 66,28 μs which is also making it suitable for the requirements for an ESE rod with a ΔT : 60 μs proving a wide coverage. Standard product does not come with an adaptor. The adaptor rod has 30mm diameter with a 25mm internal diameter but we are able to manufacture rod adaptors to the customers requirement. Our product is certified from Protart High Voltage Test Laboratory in NFC 17.102 Annex C. You are able to find all the dimensional information regarding PRO-HALE 60 ESE inside the relevant NFC 17.102 test report.

Product Code	Material	ΔT : NFC-17 102 Test Results	Packing Dimensions(Cms)	Net Weight (kg)	Gross Weight (kg)
PRO-HALE 60	Stainless Steel	ΔT : 60 μs	11x11x48	1,15	1,75

• Kim thu sét Thở Nhĩ Kỳ - Protart

PROTART



ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

Technical
Universal
Verification



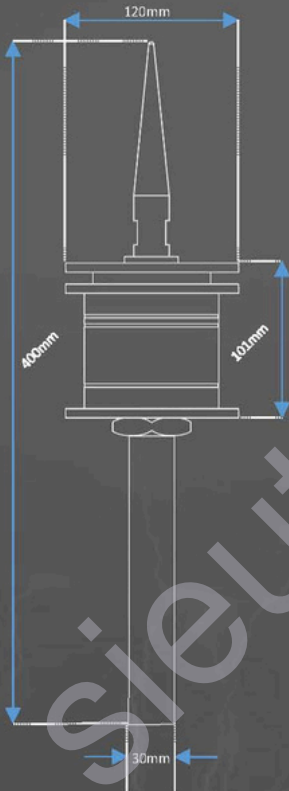
PROTART-30 ESE LIGHTNING CONDUCTOR

PROTART 30 ESE lightning conductor is manufactured from high quality stainless steel which makes it durable against the toughest weather conditions.

TECHNICAL SPECIFICATIONS

Early Streamer Emission terminal releases positive ions in to the atmosphere which attracts the lightning emissions.

- Stainless steel with superior quality to avoid corrosion
- No battery or external energy required
- Suitable for any weather condition



Product Code	Material	ΔT : NFC-17.102 Test Results	Packing Dimensions (cm)	Weight (kg)
P 30	Stainless Steel	ΔT : 57 μs	37 x 22 x 12	1,93

STANDARDS

- NFC 17.102:2011
- UNE 21.186:2011
- TS EN 62305

✓ Our product is tested and certified from Middle Eastern Technical University (ODTÜ)

PROTECTION RADIUS TABLE

R_p (m)	PROTART-30 ΔT : 30 μs			
	LEVEL I	LEVEL II	LEVEL III	LEVEL IV
2	19	22	25	28
4	38	44	51	57
5	48	55	63	71
6	48	55	64	72
8	49	56	65	73
10	49	57	66	75
20	50	59	71	81
30	50	60	73	85
60	50	60	75	90

PROTART ELEKTRİK VE BİLİŞİM TEKNOLOJİLERİ DİŞ TİC. A.Ş.
Merkez Mah. Halaskargazi Cd. No: 171 / 4 Oda: A. Şişli / İstanbul / TURKEY
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export@protart.com.tr www.protart.com.tr

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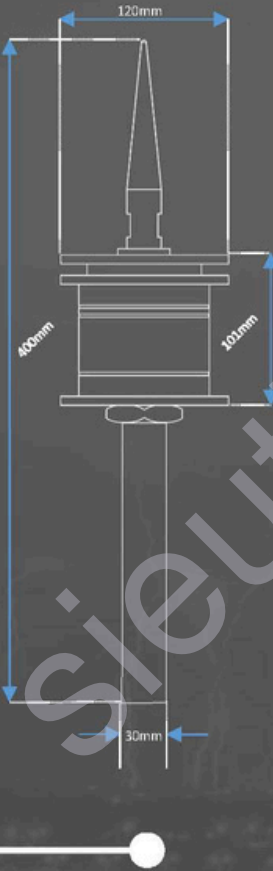
PROTART-45 ESE LIGHTNING CONDUCTOR

PROTART 45 ESE lightning conductor is manufactured from high quality stainless steel which makes it durable against the toughest weather conditions.

TECHNICAL SPECIFICATIONS

Early Streamer Emission terminal releases positive ions in to the atmosphere which attracts the lightning emissions

- Stainless steel with superior quality to avoid corrosion
- No battery or external energy required
- Suitable for any weather condition



Product Code	Material	ΔT : NFC-17.102 Test Results	Packing Dimensions (cm)	Weight (kg)
P 45	Stainless Steel	ΔT : 57 μs	37 x 22 x 12	1,98

STANDARDS

- NFC 17.102:2011
- UNE 21.186:2011
- TS EN 62305

✓ Our product is tested and certified from Middle Eastern Technical University (ODTÜ)

PROTECTION RADIUS TABLE

R_p (m)	h (m)	PROTART-45 ΔT : 45 μs			
		LEVEL I	LEVEL II	LEVEL III	LEVEL IV
2	25	28	32	36	
4	51	57	64	72	
5	63	71	81	89	
6	63	71	81	90	
8	64	72	82	91	
10	64	72	83	92	
20	65	74	86	97	
30	65	75	89	101	
60	65	75	90	105	

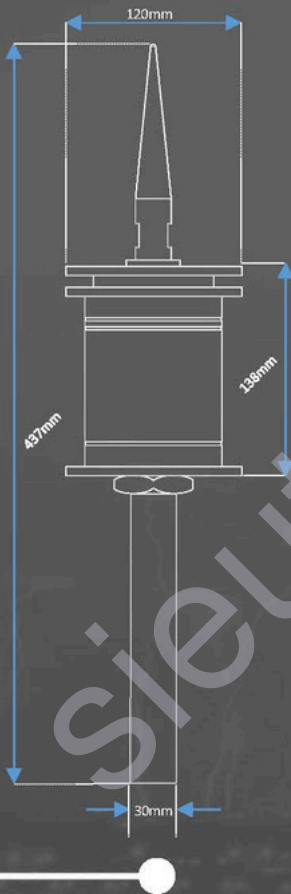
PROTART-60 ESE LIGHTNING CONDUCTOR

PROTART 60 ESE lightning conductor is manufactured from high quality stainless steel which makes it durable against the toughest weather conditions.

TECHNICAL SPECIFICATIONS

Early Streamer Emission terminal releases positive ions in to the atmosphere which attracts the lightning emissions

- Stainless steel with superior quality to avoid corrosion
- No battery or external energy required
- Suitable for any weather condition



Product Code	Material	ΔT : NFC-17.102 Test Results	Packing Dimensions (cm)	Weight (kg)
P 60	Stainless Steel	ΔT : 72 μs	37 x 22 x 12	2,32

STANDARDS

- NFC 17.102:2011
- UNE 21.186:2011
- TS EN 62305
- ✓ Our product is tested and certified from Middle Eastern Technical University (ODTÜ)

PROTECTION RADIUS TABLE

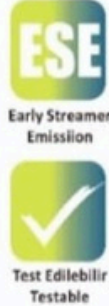
R_p (m)	h (m)	PROTART-60 ΔT : 60 μs			
		LEVEL I	LEVEL II	LEVEL III	LEVEL IV
2		31	35	39	43
4		63	69	78	85
5		79	86	97	107
6		79	87	97	107
8		79	87	98	108
10		79	88	99	109
20		80	89	102	113
30		80	90	104	116
60		80	90	105	120

- Kim thu sét Thổ Nhĩ Kỳ- Patroit



X20 ESE ACTIVE LIGHTNING ROD

X20



Özellikler / Details	
Uzunluk / Length	400 mm
Silindir Çapı / Cylinder Diameter	76 mm
Kol Çapı / Rod Diameter	20 mm
Ağırlık / Weight	1,60 kg
Ambalaj / Packaging	100x100x500 mm
Çalışma Prensibi / Working Principle	E.S.E (Erken Akış Uyarılı / Early Streamer Emission)
Fiziksel Yapı / Physical Structure	Paslanmaz Kromdan Mamul (INOX) Stainless Chrome
Sertifika / Certificate	NC 17-102
Koruma indeksi / Protection index	IP 67
Ürün Kodu / Product Code	X20
ΔT ESE Warning Time Based on (NFC 17- 102 Standards)	20 us
Protection Radius Based On 5 Meter Height	Seviye 1 / Level 1 31 Seviye 2 / Level 2 36 Seviye 3 / Level 3 44 Seviye 4 / Level 4 50

- 1.Aktif paratoner PATROIT başlığı erken akış uyarılıdır.(ESE Early Streamer Emmission)
- 2.Aktif paratoner PATROIT başlığı NF/C 17-102 standartlarına uygundur.
- Standartlara uygun olduğunu belgeleyen Ortadoğu Teknik Üniversitesi test raporuna sahiptir.
- 3.Tetikleme zaman üstünlüğü NF/C 17-102 standartlarında belirtilen değerler uygundur.
- 4.Yıldırım deşarjı esnasında aktif bölümün etkilenmemesini sağlayacak düzeneğe sahiptir.
- Bu nedenle kablo vs gibi ek bağlantı elamanları gerektirmez.
- 5.PATROIT paratonerin benzersiz verimliliği,erken flama sistemine dayanmaktadır.
- 6.Koruma sahasında her zaman maksimum seviyededir.
- 7.PATROIT PDA'nın ön yükleme aygıtına giden güç kaynağı,büyük yalıtımlı metalek ek parçalar arasında bir fırtına durumunda oluşan potansiyel farklı yağışlı havalarda bu potansiyel farkını altına alır.
- 8.Aktif paratoner PATROIT montaj ve lojistik kolaylık için kompakt bir üründür.
- 9.SERTİFİKALAR ISO-9001 ISO-14001 ISO-45001 ISO-10002 CE NF/C 17-102

- 1.Active lightning PATROIT head has early flow warning.
- 2.Active lightning PATROIT head complies with NF/C 17-102 standards.Middle East Technical University test report documenting that is complies with the standards has.
- 3.Trigger time superiority The values specified in NF/C 17-102 standards are suitable.
- 4.It has a mechanism to ensure that the active part is not affected during lightning discharge therefore,there are no additional connectors such as cables etc.
- 5.The unique efficiency of the PATROIT lightning rod is based on the early streamer system.
- 6.It is always at the maximum level in the protection area.
- 7.The power supply to the boot device of the PATROIT PDA is precipitated by the potential dif between large insulated metal insert in the event of a storm,guarantees this potential differen the weather.
- 8.Active lightning rod PATROIT is a compact product for assembly and logistical convenienc
- 9.CERETIFICATES ISO-9001 ISO-14001 ISO-45001 ISO-10002 CE NF/C 17-102.

PATROIT ESE LIGHTNING ROD

 Early Streamer
 Emission

 Test Edilebilir
 Testable

Özellikler / Details	
Uzunluk / Length	600 mm
Silindir Çapı / Cylinder Diameter	180 mm
Kol Çapı / Rod Diameter	20 mm
Ağırlık / Weight	3,00 kg
Ambalaj / Packaging	180x180x650 mm
Çalışma Prensipleri / Working Principle	E.S.E (Erken Akış Uyarılı / Early Streamer Emission)
Fiziksel Yapı / Physical Structure	Paslanmaz Kromdan Mamul (INOX) Stainless Chrome
Sertifika / Certificate	NC 17-102
Koruma indeksi / Protection index	IP 67
Ürün Kodu / Product Code	PATROIT
ΔT ESE Warning Time Based on (NFC 17- 102 Standards)	85 µs
Protection Radius Based On 5 Meter Height	Seviye 1 / Level 1 Seviye 2 / Level 2 Seviye 3 / Level 3 Seviye 4 / Level 4
PATROIT 20	48 52 58 61
PATROIT 30	73 78 85 91
PATROIT 45	97 104 113 122
PATROIT 60	121 130 141 152

- 1.Aktif paratoner PATROIT başlığı erken akış uyarılıdır.(ESE Early Streamer Emission)
- 2.Aktif paratoner PATROIT başlığı NF/C 17-102 standartlarına uygundur. Standartlara uygun olduğunu belgeleyen Ortadoğu Teknik Üniversitesi test raporuna sahiptir.
- 3.Tetikleme zaman üstünlüğü NF/C 17-102 standartlarında belirtilen değerler uygundur.
- 4.Yıldırım deşarjı esnasında aktif bölümün etkilenmemesini sağlayacak düzeneğe sahiptir. Bu nedenle kablo vs gibi ek bağlantı elemanları gerektirmez.
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- 8.Active lightning rod PATROIT is a compact product for assembly and logistical convenience.
- 9.CERTIFICATES ISO-9001 ISO-14001 ISO-45001 ISO-10002 CE NF/C 17-102.

- **Chống sét lan truyền Watchfuleye**



Chống sét tín hiệu mạng LAN 1 port WTH-SG/RJ45-G

Thiết bị chống sét lan truyền đường tín hiệu internet của hãng Watchfulleye, Dòng cắt xung sét I_{max}(8/20 μ s) 20KA, Lắp trên Din rail.

<http://datasheet.watchfuleyesolutions.com/US121012.html>



Chống sét tín hiệu điện thoại WTH-SG/RJ11

Thiết bị chống sét lan truyền đường tín hiệu tổng đài điện thoại, line điện thoại của hãng Watchfulleye, Dòng cắt xung sét I_{max}(8/20 μ s) 20KA, Lắp trên Din rail.

<http://datasheet.watchfuleyesolutions.com/US121012.html>



Cắt Sét 1 Pha Watchfuleye WTH-20/D/1P+NPE

Dùng cho nguồn điện 1 pha + NPE

Model: WTH 20/D/1P+NPE-275

Dòng cắt: 20kA

Điện áp: 220/275V,

<http://datasheet.watchfuleyesolutions.com/US120126.html>



Cắt Sét 1 Pha Watchfuleye WTH-40/C/1P+NPE

Dùng cho nguồn điện 1 pha + NPE

Model: WTH 40/C/1P+NPE-275

Dòng cắt: 40kA

Điện áp: 220/275V

<http://datasheet.watchfuleyesolutions.com/US120026.html>



Cắt Sét 3 Pha Watchfuleye WTH-40/C/3P+NPE

Dùng cho nguồn điện 3 pha + NPE

Model: WTH 40/C/4P-275

Dòng cắt: 40kA

Điện áp: 220/275V

<http://datasheet.watchfuleyesolutions.com/US120026.html>



Cắt Sét 1 Pha Watchfuleye WTH-65/B+C/1P

Dùng cho nguồn điện 1 pha

Model: WTH 65/B+C/1P-275

Dòng cắt: 65kA

Điện áp: 220/275V

<http://datasheet.watchfuleyesolutions.com/US120210.html>

Cắt Sét 1 Pha Watchfuleye WTH-165/B/1P



Dùng cho nguồn điện 1 pha

Model: WTH 165/D/1P-275

Dòng cắt: 165kA

Điện áp: 220/275V

<http://datasheet.watchfuleyesolutions.com/US120320.html>

Cắt Sét 1 Pha Watchfuleye WTH-100/B+C/1P



Dùng cho nguồn điện 1 pha

Model: WTH 100/B+C/1P-275

Dòng cắt: 100kA

Điện áp: 220/275V

<http://datasheet.watchfuleyesolutions.com/US120260.html>

Cắt Sét 3 Pha Watchfuleye WTH-20/D/3P+NPE



Chống sét lan truyền Watchfuleye (USA)

Dùng cho nguồn điện 3 pha + NPE

Model: WTH 20/D/4P-275

Dòng cắt: 20kA

Điện áp: 220/275V

<http://datasheet.watchfuleyesolutions.com/US120260.html>



Chống sét tín hiệu BNC WTH-SG/BNC

Thiết bị chống sét lan truyền đường tín hiệu Camera, truyền hình cáp của hãng Watchfulleye, Dòng cắt xung sét I_{max}(8/20μs) 20KA, Lắp trên Din rail.

<https://datasheet.watchfuleyesolutions.com/US121015.html>

Sieuthichongset.com