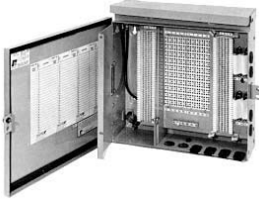


Building Entrance Protectors, BEP Series

BEPCG100C


Combines protection and distribution with a built-in splice chamber. Lockable cover. 25, 50 and 100 pair terminals are available. Five point ground and gold-plated contacts. Dimensions: 15" high x 15.41" wide x 4.7" deep. From Emerson Network Power.

The following items are stocked for immediate shipment:

Part No. BEPCG25C - 25-pr clips in/clips and RJ21 out

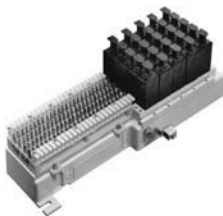
Part No. BEPCG50C - 50-pr clips in/clips and RJ21 out

Part No. BEPCG100C - 100-pr clips in/clips and RJ21 out

Protection modules ordered separately. See page C-3.

Specification	Code	Description
Housing	BEP =	Building Entrance Protector
Output	C =	66 Quick-clip block
	G =	RJ21 receptacle connector
	CG =	66 Quick-clip block and RJ21 receptacle connector
	B =	Binding posts
	T =	110-style block
Pair Count	25 =	25 pair
	50 =	50 pair
	100 =	100 pair
Input	FS =	Field splice, 18" tail
	CF =	710 connector, capless, receptacle, gel-filled, 18" tail, 26 AWG fuse link
	MM =	3M 4000-D dry (MS2), 18" tail, 26 AWG fuse link
	C =	66 Quick-clip block, 26 AWG fuse link
	SC =	24 AWG cable stub
	T =	110-style block, 26 AWG fuse link
Cable Full Length <i>(only if "SC" input)</i>	6 =	6'
	12 =	12'
	25 =	25'
	blank =	Stubless

R66 25-Pair Indoor Protection Blocks



The R66P25 series of indoor blocks offers protection for 25-pair in a compact, versatile and cost-effective unit. They can be mounted on a wall, backboard or 89-type bracket. Standard network cable terminations options are either 66 Quick-clips or a cable stub. Customer premise equipment termination options are either 66 Quick-clips or 50-position RJ21 connectors. Accepts carbon, gas or solid-state protection modules and is supplied with a ground connector for a 6 AWG solid copper wire. From Emerson Network Power. *Protection modules ordered separately. See page C-3.*

Part No.	Application	Termination Style In/Out	R891 Bracket Required	Fig. Number
R66P25QC	Protection	QC/QC	Optional	1
R66P25QCC	Protection	QC/RJ21	Optional	2 Receptacle
R66P25QCCR3B1EJZ	Protection e/w R3B1EJZ	QC/RJ21	Optional	2 Receptacle
R66P25QCP	Protection	QC/RJ21 Plug	Optional	2
R66P25QCR3B1EJZ	Protection e/w R3B1EJZ	QC/QC	Optional	1
R66P25QCS10	Protection	10' Stub/QC	Yes	3,5
R66P25QCS20	Protection	20' Stub/QC	Yes	3,5
R66P25QCVS	Protection e/w 6U2VS	QC/QC	Optional	1
R66P25S10CD	Protection/Demarcation	10' Stub/RJ21 Receptacle	Yes	4,5
R66P25S20CD	Protection/Demarcation	20' Stub/RJ21 Receptacle	Yes	4,5

Indoor Building Entrance Terminals

The BEM and BEPNC series terminates, protects and distributes central office cable pairs at the subscriber premises. Compact size requires minimum mounting space and all units are stackable to accommodate future growth. They are ideal for use in multi-tenant office buildings, high-rise apartments, campus environments and PABX installations. From Emerson Network Power.

BEM (Mini)



- Integrated splice chamber input with cover
- Available with field splice, MS2 or 710 input configurations
- Integral 26 AWG fuse link
- Wall mountable
- UL Listed

Part No.	Pair Count	Input/Output	Dimensions H x W x D (in)
BEMC100FS	100	Field Splice/66	11.1 x 14.2 x 3.3
BEMC50FS	50	Field Splice/66	11.1 x 11.5 x 3.3
BEMC25FS	25	Field Splice/66	7.1 x 11.5 x 3.3
BEMC100CF	100	710/66	11.1 x 14.2 x 3.3
BEMC50CF	50	710/66	11.1 x 11.5 x 3.3
BEMC25CF	25	710/66	7.1 x 11.5 x 3.3
BEMC100MM	100	MS2/66	11.1 x 14.2 x 3.3
BEMC50MM	50	MS2/66	11.1 x 11.5 x 3.3
BEMC25MM	25	MS2/66	7.1 x 11.5 x 3.3

RLS block output also available.

Specification	Code	Description
Terminal Protector	BEM =	Indoor Wall Mount Terminal Protector
Output	C =	66 Quick-clip block
	S =	RLS-style block
Pair Count	25 =	25 pair
	50 =	50 pair
	100 =	100 pair
Input	FS =	Field splice, 18" tail, 26 AWG fuse link
	CF =	710 connector, receptacle, gel-filled, 18" tail, 26 AWG fuse link
	MM =	4005 DPM (dry) MS2 connector, 18" tail, 26 AWG fuse link

BEPNC



- Integrated stand-off bracket allows for easy distribution and cable routing
- Wall or frame mountable
- Designed to meet or exceed UL497 requirements

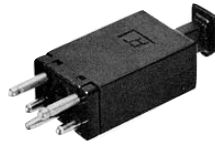
□ Shown: 100 pair wall-mount terminal with 110 in/110 out.

Part No.	Pair Count	Input/Output	Dimensions H x W x D (in)
BEPNCT100T	100	110	14-1/2 x 10-3/4 x 4-3/4
BEPNCT50T	50	110	8.12 x 10-3/4 x 4-3/4
BEPNCT25T	25	110	6.12 x 10-3/4 x 4-3/4
BEPNCT10T	10	110	5.27 x 5.61 x 2-3/4
BEPNCC100C	100	66	11 x 14-1/2 x 4-1/2
BEPNCC50C	50	66	9.65 x 11-1/2 x 4-1/2
BEPNCC25C	25	66	6.15 x 10-3/4 x 4-1/2
BEPNCC10C	10	66	3.8 x 8.1 x 3.82
BEPNCU100U	100	URLS	16.15 x 10.81 x 4
BEPNCU50U	50	URLS	9.62 x 10.81 x 4
BEPNCU25U	25	URLS	8.1 x 10.81 x 4
BEPNCU10U	10	URLS	6 x 6.1 x 3.15

26 AWG stubbed also available.

Specification	Code	Description
Terminal Protector	BEPNC =	Indoor Wall Mount
Output	C =	66 Quick-clip block
	T =	110-style block
	U =	URLS-style block
Pair Count	10 =	10 pair
	25 =	25 pair
	50 =	50 pair
	100 =	100 pair
Input	C =	66 Quick-clip block, 26 AWG fuse link
	SC =	26 AWG cable stub
	T =	110-style block, 26 AWG fuse link
	U =	URLS-style block, 26 AWG fuse link
Input Cable Stub Length	6 =	6'
	12 =	12'
	25 =	25'
	blank =	Stubless

5-Pin Protector Modules



The Bourns® 2410 MSP® series combines the advantages of gas tube and solid state protection while integrating three advanced technologies: a proprietary high-efficiency gas discharge tube, precision matched metal oxide varistors and a patented switch-grade fail-short mechanism. The switch-grade fail-short mechanism ensures superior thermal protection with fast acting, highly reliable response to thermal overload conditions. This combined technology provides lower capacitance, higher reliability and longer life than competitive hybrid technologies.

The 2410 can be used universally for POTS and high speed data, e.g. ISDN, ADSL, ADSL2+, VDSL, VDSL2, other xDSL protocols and high speed Ethernet.

**For use on DSL systems that require balanced capacitance of ≤ 1 pF.*

Use the matrix below to order modules made to your specifications, i.e. 241031GMSPS.

Specification	Code	Description
Model No.	2410 =	5-Pin MSP®
Module Length	3 =	Standard - 52.37mm (2.06")
	7 =	Special short - 41.19mm (1.62")
Housing Color/ Circuit Type	1 =	Black/Standard
	3 =	Red/Special
	6 =	Blue/Standard
	9 =	Orange/Standard Svc. (non Bridgelifter)
	10 =	Yellow/Standard
Pin Plating	G =	Gold plated
	N =	Tin plated
Protector Type	MSP =	Multi-stage protector
	BC =	Balanced capacitance*
Special Options	S =	Sealed case
	T =	Test points
	ST =	Sealed case and test points

A-Line Terminal Blocks

The A-line series fixed-count terminal blocks are designed specifically for use in outside building terminals and buried cable pedestals and closures. The terminal blocks are used in fixed count applications to accommodate Serving Area Concept (SAC) systems. All blocks are supplied with a grounding stud.

- Bright-acid tin plating provides corrosion-resistant connections
- High-impact shell is rugged and durable
- Polyurethane potting offers insulation-resistance between pairs
- A variety of configurations offer installation flexibility

Bottom Stub

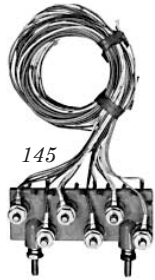
Part No.	Part No.	Part No.
RPT5A4	RPT10A4	RPT25A4
RPT5PA4	RPT10PA4	RPT25PA4
RPT5VSR2A4	RPT10VSR2A4	RPT25VSR2A4
RPT5JZA4	RPT10JZA4	RPT25JZA4
RPT5AW4	RPT10AW4	RPT25AW4
RPT5AW12	RPT10AW12	RPT25AW12
RPT5PAW12	RPT10PAW12	RPT25PAW12
RPT5VSR2AW12	RPT10VSR2AW12	RPT25VSR2AW12
RPT5JZAW12	RPT10JZAW12	RPT25JZAW12

Back Stub or Stubless

Part No.	Part No.	Part No.
RGT5A4	RGT10PA4	RGT25VSR2A4
RGT5PA4	RGT10VSR2A4	RGT25JZ0A4
RGT5VSR2A4	RGT10JZA2	
RGT5JZA4	RGT25ALS	
RGT10A4	RGT25PA4	

Specification	Code	Description
Block Style	RGT =	Back stub or stubless
	RPT =	Bottom stub
Pair Count	5 =	5 pair
	10 =	10 pair
	25 =	25 pair
Protection Type	JZ =	Bell/Indep, 350-380V
	P =	Carbon, 200-1,200V
	T =	Solid state, Bell, 300V
	VSR2 =	Gas, Indep, 350-400V
	Z =	Without arresters (protected)
	blank =	Unprotected
Block Type	A =	A-Line block
Cable Type	blank =	Air core unshielded
	E =	Air core shielded
	W =	Filled shielded
	LS =	Less stub (stubless)
Standard Stub Length	4 =	4'
	12 =	12'
	25 =	25'

Terminal Blocks



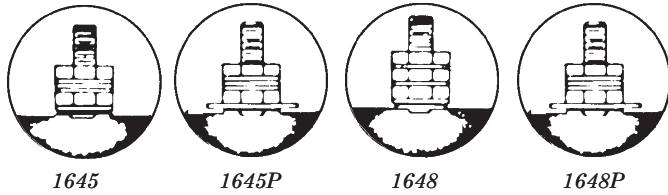
6 Pair

For termination points in Ready Access closures and buried cable and wire pedestals.

145 Series is available with factory terminated double or single lead wires. These are detachable.

1600 Series has no lead wires, and offers a variety of nut and washer binding post configurations. Both series are available unprotected or with washer gap protection. From Emerson Network Power.

Binding Post Configurations



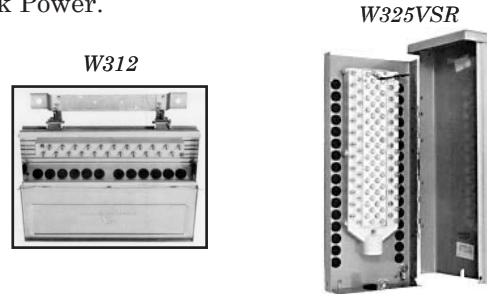
Part No.	Protection/Size	Lead Wires	Weight (lbs/100)
145	unprotected/6 pair	double	.5
145P	washer gap/6 pair	double	.5
145B	unprotected/6 pair	single	.5
145BP	washer gap/6 pair	single	.5
1645	unprotected/6 pair	none	.5
1645P	washer gap - 2 nuts/6 pair	none	.5
1648	unprotected/6 pair	none	.5
1648P	washer gap - triple nut/6 pair	none	.5

Binding Post Terminal Blocks

6, 12, 18 and 25 pair binding post terminal blocks, either protected or unprotected, for inside mounting or for outside installation in metal terminal closures.

W1 Series are *only* for inside mounting as building terminals.

W3 Series are furnished in metal closures for outside installation. 6, 12 and 18 pair have aluminum housings with strand attachment clamps for aerial installation on messenger strand, but can also be pole and wall mounted. The 25 pair terminals have steel housings and are for pole or wall mounting only. From Emerson Network Power.



Part No.	Size	Protection	Weight (lbs/ea.)
W16VSR	6 pair	Block only, with VSR2 gas tube	3
W112VSR	12 pair	Block only, with VSR2 gas tube	5
W125VSR	25 pair	Block only, with VSR2 gas tube	7
W36	6 pair	In closure, unprotected	4
W36VSR	6 pair	In closure, with VSR2 gas	5
W312	12 pair	In closure only, unprotected	6
W312VSR	12 pair	In closure, with VSR2 gas	6
W325VSR	25 pair	In closure, with VSR2 gas	11
W326A	26 pair	In closure, unprotected	11

Standard package on all items is one.
Other sizes and types also available.

WP50 Wall/Pole Mount Terminals



Mounts 5 to 50 non-protected pair or 5 to 25 protected pair terminal blocks. Internal ground bracket provides electrical protection. Service wire routing clips and rubber grommets; bottom or back cable entry.

Part No. WP50 - Terminal Case

Use the matrix below to order terminals made to your specifications, i.e. WP50TAW12.

Specification	Code	Description
Housing	WP =	Wall pole-mount terminal
Pair Count	5 =	5 pair
	6 =	6 pair
	10 =	10 pair
	25 =	25 pair
	50 =	50 pair
Protection Type	blank =	Unprotected
	JZ =	130VSB, Bell/Indep, 350-380V0
	T =	1304T, solid state, 300V
	VSR2 =	1304VSR2, Gas, Indep, 350-400V
	Z =	Without arresters (protected)
Terminal Block	A =	A-Line block
Cable Type	W =	Filled shielded
	A =	Alpeth (air core unshielded)
	E =	Alpeth (air core shielded)
Standard Stub Length	LS =	Less stub
	4 =	4' ("A" cable type only)
	12 =	12'
	25 =	25'

Building Entrance Protector 25 Series

A system for terminating incoming cable and station pairs. Ideal for small commercial, industrial or apartment properties. The 25 Series is also suitable for use as a demarcation point for connecting to interconnect systems. From Emerson Network Power.

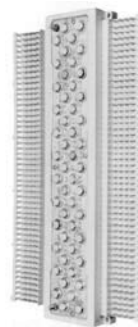
Cross-connectable

The stubless style has two termination fields, a protection field for terminating the incoming pairs and a station field for terminating the inside cable. A jumper between the fields puts the station in service.

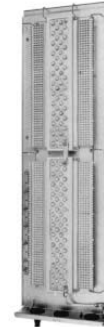
Clip Configurations

The termination fields consist of four clip multiples (4x4) so one main termination plus three multiples can be made on each cable pair.

25VSR4x4



50VSR4x4MH



Part No.	No. Pairs	Protection Type	Housing	Weight (lbs/100)
25VSR4X4	25	1304VSR FailSafe gas	no	8
25VSR4X4MH	25	1304VSR FailSafe gas	yes	14
50VSR4X4MH	50	1304VSR FailSafe gas	yes	25

Terminal Boxes



Commonly used on fire alarm systems. Furnished with 6 double terminal points for splicing or tapping 6 conductors. The 3" x 6" x 7" size allows ample room for working with stiff 14 AWG and 12 AWG

conductors.

Part No.	Conductor Size/Type	Standard Package	Weight (lbs/100)
ATBR	Red enameled aluminum Comes with a 1106 Block	1	1
ATB1006	Gold anodized irradiated aluminum	1	1

Indoor/Outdoor Closures



Accommodates a variety of protected or unprotected telco termination and demarcation blocks.

- Available in 3 sizes
- Wood backboard for mounting

Part No.	Dimensions h x w x d (in)	Backboard Dimensions h x w (in)
BUPNP1	14.75 x 15.9 x 4.7	11.25 x 12
BUPNP2	24.25 x 15.9 x 4.7	20 x 12
BUPNP3	30.1 x 19.5 x 6.5	22.3 x 19

Security Closures



Tamper-resistant steel cases. Hinged door opens left or right, and has a 7/16" hex bolt latch with fixed hasp for padlock. 1/2" plywood backboard which allows easy mounting of 89 brackets, 66 blocks

and protection connectors. Beige.

Part No. RC1212S - 12" x 12", accommodates two 66M blocks

Part No. RC1824S - 18" x 24", accommodates eight 66M blocks

One Pair Terminals



For outside termination/distribution of one pair wires. Mount on pole, crossarm or wall. The binding posts have nuts and washers to terminate up to 4 one-pair wires.

Resin reinforced polyester base with black neoprene snap-on/off cover. Mounts with two wood screws.

Part No. 5533

Wire Terminal Box

Rugged plastic housing and easy installation. One or two-pair with optional ground stud.



Part No. 16302 - Two-pair wire terminal with ground (four studs with ground stud)

Part No. 16306 - Two-pair wire terminal box (four #10 studs with ground stud and extra hardware)

Angle Driver® Surge Arresters



Specifically designed to protect tomorrow's high-speed digital networks, such as Voice Over Digital Subscriber Line (VoDSL) technology, against damage caused by electrical surges. Gel-Sealed DSL Compliant Station Protector with IDC Terminations. UL Listed. From TII Technologies.

Part No. AD01WFS - DC Breakdown 265-600V, suited for IP-based Internet Protocol access

Part No. AD02WFS - DC Breakdown 300-500V

Part No. AD03WFS - High Voltage, "Line to Line," DC Breakdown 280-420V

Part No. ADM2WFS - DC Breakdown 280-420V

Heavy Duty Surge Arrester 2 Electrode



The self-contained module consists of two heavy duty two-electrode gas tubes, a fail short mechanism in case of a power cross condition, backup airgaps, an epoxy filled shell with two #10 wiring studs and a ground strap. 100 per package. UL Listed.

From TII Technologies.

Part No. 126M

Maximum Duty Surge Arrester 3 Electrode



A self-contained module consisting of a maximum-duty three-electrode gas tube surge arrester, a failshort mechanism and a backup airgap. 40kA maximum single impulse discharge current, 8/20 waveform. 50 per package. UL Listed.

From TII Technologies.

Part No. 355M

Heavy Duty Surge Arrester 3 Electrode



A self-contained module consisting of a heavy-duty three-electrode gas tube surge arrester, a failshort mechanism and a backup airgap. 20kA maximum single impulse discharge current, 8/20 waveform. 50 per package. UL Listed. From TII Technologies.

Part No. 356M1

Six-Line Broadband Outdoor NID



Versatile, heavy duty six-pair housing. Accommodates a variety of coaxial and twisted pair drop combinations, while providing superior protection and performance in even the harshest outdoor environments. UL Listed. From TII Technologies.

Part No. 3600 - Case

Use the matrix below to order terminals made to your specifications, i.e. 3612H001S012.

Specification	Code	Description	
Housing	361 =	NID 3600	
No. of Station Protectors	0 =	None	
	1 =	One	
	2 =	Two	
	3 =	Three	
Security Screw	H =	Hex head	
	P =	Pin-in-Head	
Station Protectors	00 =	None	
	03 =	356M1	
	07 =	355M	
	15 =	126M	
	50 =	355MT	
	51 =	127M	
	52 =	372-S2	
	53 =	356M2	
No. of CBMs	0 =	None	
	1 =	One	
	2 =	Two	
	3 =	Three	
Wiring Type	0 =	None	
	S =	Insulated Screws	
	I =	IDC Terminations	
Electronics	Insulated Screws	00 =	None
		01 =	1/2 Ringer
18 =		Combo 1/2 ringer and RFI Filter	
IDC Terminations	00 =	None	
	01 =	1/2 Ringer	
	18 =	Combo 1/2 ringer and RFI Filter	
	09 =	ADSL POTS splitter	
	10 =	DSL compliant 1/2 ringer	
Coax Service Module Type	0 =	None	
	1 =	Straight Thru	
	2 =	Protected	

Three-Line Broadband Outdoor NID



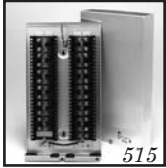
Versatile, three pair housing that accommodates a variety of coaxial and twisted pair drop combinations. It offers superior performance and protection even in severe indoor and outdoor conditions. UL Listed. From TII Technologies.

Part No. 3700 - Case

Use the matrix below to order terminals made to your specifications, i.e. 3712H001S012.

Specification	Code	Description	
Housing	361 =	NID 3700	
No. of Station Protectors	0 =	None	
	1 =	One	
	2 =	Two	
Security Screw	H =	Hex head	
	P =	Pin-in-Head	
Station Protectors	00 =	None	
	03 =	356M1	
	07 =	355M	
	15 =	126M	
	50 =	355MT	
	51 =	127M	
	52 =	372-S2	
	53 =	356M2	
No. of CBMs	0 =	None	
	1 =	One	
	2 =	Two	
Wiring Type	0 =	None	
	S =	Insulated Screws	
	I =	IDC Terminations	
Electronics	Insulated Screws	00 =	None
		01 =	1/2 Ringer
18 =		Combo 1/2 ringer and RFI Filter	
IDC Terminations	00 =	None	
	01 =	1/2 Ringer	
	18 =	Combo 1/2 ringer and RFI Filter	
	09 =	ADSL POTS splitter	
	10 =	DSL compliant 1/2 ringer	
Coax Service Module Type	0 =	None	
	1 =	Straight Thru	
	2 =	Protected	

Indoor/Outdoor Station Protectors 25 Pair



Consist of a metal backplate, metal grounding plates for mounting the TFS® modules, a ground lug, wiring ring, and a metal cover. Suitable for mounting on any indoor/outdoor surface. UL Listed. Meet RUS/RDUP requirements. From TII Technologies.

Part No. 51513S0M* - Expansion Assembly only

Part No. 51513S6M* - Exp. Assembly with six TII 355 Maximum Duty modules

Part No. 515250 - Enclosure with hardware for 25 pair

Part No. 5152525M* - Enclosure with 25 TII 355 Maximum Duty modules

Part No. 51613S6M* - Expansion Assembly with six TII 356 Heavy Duty modules

Part No. 5162525M* - Enclosure with 25 TII 356 Heavy Duty Modules

**"L" modules also available meeting specific Bell System requirements.*

Multiple Pair Station Protector Assemblies



- UL Listed with TII 355, 356 and 126 protector modules
- Failshort and integral air gap backup mechanism
- Max. duty or heavy duty surge protector modules

• 6 pair capacity plus long life and low maintenance

• Complete with hinged cover

• Meet RUS/RDUP requirements

From TII Technologies.

Part No. 5300 - Assembly only

Part No 5302M* - 2 pair protector assembly with two TII 356 protector modules installed

Part No. 5306M* - 6 pair protector assembly with six TII 356 protector modules installed

**"L" modules also available meeting specific Bell System requirements*

One-Line Indoor/Outdoor NIDS



The 325 NIZ, 326 NIZ and 126 NIZ Network Interfaces provide network protection against premature shorting, corrosion and contamination of circuits with the use of optional encapsulated station protector modules. Meet RUS/RDUP requirements. From TII Technologies.

NIDS without protector modules

Part No. 325NIZ - Single pair with pin-in-head cover screw

Part No. 325NIZS - Single pair with hex head cover screw

Part No. 325NIZST - Single pair with hex head cover screw with tin plated hardware

Part No. 326NIZ - Single pair with pin-in-head cover screw

Part No. 126NIZ - Single pair with pin-in-head cover screw

Part No. 126NIZS - Single pair with hex head cover screw

NIDS with protector modules

Part No. 3251MNIZ - Single pair, max duty station protector with network interface and pin-in-head cover screw

Part No. 3251MNIZS - Single pair, heavy duty station protector with network interface and hex head cover screw

Part No. 3251MNIZST - Single pair max duty station protector with network interface and hex head cover screw with tin plated hardware

Part No. 3261NIZ - Single pair, heavy duty station protector with network interface and pin-in-head cover screw

Part No. 3261NIZS - Single pair, heavy duty station protector with network interface and hex head cover screw

Part No. 1261NIZ - single pair, heavy duty or two-electrode station protector with network interface and pin-in-head cover screw

Part No. 1261NIZS - Single pair heavy duty or two-electrode station potector with network interface and hex head cover screw

Indoor/Outdoor Station Protection Up to 6 Pair

1 Pair Protectors



351SVSR2

Part No. 351SVSR2 - gas, housing, with cover, 3.58"H x 2.96"W x 2.37"D

Part No. 3251M - duty, gas, 355M; protector included

2 Pair Protectors

Part No. 3932SVSR2 - 2 Pr., gas, studs in/out, exp. housing up to 6 Pr. (use Part No. 361SVSR2 for additional protection)

Part No. 392SVSR2 - Indoor/outdoor, 2 Pr., gas, studs, housing

Gas Tube Surge Arresters



317A and 317B



1304VSR2

Part No. 317A - 150/300V, DC

Part No. 317B - 300/500V, DC

Part No. 1304VSR2 - gas, fail-safe, RUS/RDUP, UL, SCA listed 3.19"H

Indoor Station Protection

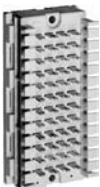
1 Pair Protectors



Part No. R123VSR2 - gas, 1.82"H x 2.56"W x 1.63"D

2 Pair Protectors

Part No. 391SVSR2 - gas, 66 clips in/out, 1.59"H x 2.97"W x 1.49"D; use for additional protection



6 Pair Protectors

Part No. R66C16VSR - gas, 66 Quick-clip, no housing. Meets RUS/RUP requirements.

Notes