Outside Plant for
Business-Critical Continuity™

25 & 50-Pair Protected Terminal Blocks & Enclosures

Key Features

- Terminal clips and studs are bright-acid tin-plated to provide corrosion resistant connections
- High-impact shell; polyurethane potting offers durability and long service life
- Quick-clip or binding terminal types, stubbed or stubless allow customizing for various requirements
- Choice of carbon, gas, or solid-state protection meets requirements of varied installations
- Available with new JZ gas technology for environmentally robust protection
- UL Listed when installed in UL Listed enclosure to assure quality performance

Description

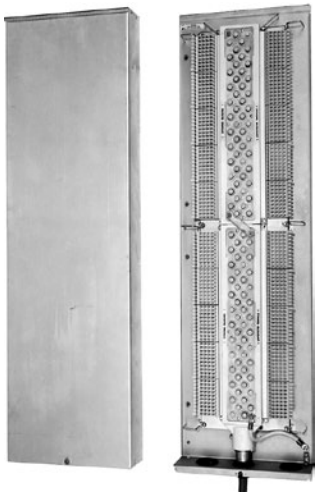
The 25 and 50-pair series of protected terminal blocks provide a system for terminating incoming cables and station pairs at the subscriber premises. These blocks are available in two termination types (quick-clip or binding terminal), and each can be ordered stubbed or stubless. Protection is provided by industry standard screw-in arresters and may be ordered with gas, carbon, or solid-state protection. To complete this system, a weather-tight aluminum enclosure is offered for 25 and 50-pair configurations. The enclosure is accessed using a 216-type tool.

The quick-clip type termination fields are available in four clip multiples, as well as split-clip arrangements. Blocks can have one or two terminal fields. Single-field blocks are wired directly to the protectors. If stubbed, the stub is also wired directly to the protectors. Single-field blocks are a lower cost alternative if cross-connect capability is not needed. Double-field blocks have a protected field and a cross-connect field. The protected field is used to terminate the OSP cable and the cross-connect field terminates subscriber wires; it is not connected to the protectors. In normal applications, jumper wires are used to connect the protected field to the cross-connect field.

All blocks are constructed of a high dielectric, self-extinguishing thermoplastic and are marked for protected and unprotected pairs.

Application

The 25 and 50-pair series terminal blocks are used at apartment buildings or medium-density commercial or industrial buildings where the maximum feeder cable is 50-pair or less. They are used where protection is required and cross-connection of feeder and subscriber cable pairs is desired. The units may also be used as a demarcation point for connecting to interconnect systems. The R66 quick-clip series is an indoor application only. The Binding Post series is suitable for both indoor and outdoor applications.



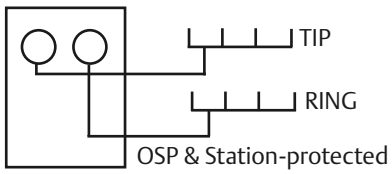
50VSR4X4D7MH
Stubbed with Housing
(38.06"H x 11.16"W x 3.45"D)

EMERSON
Network Power

Quick-Clip Internal Wiring

OSP termination on first clip; terminate up to 3 stations on clips 2, 3 and 4.

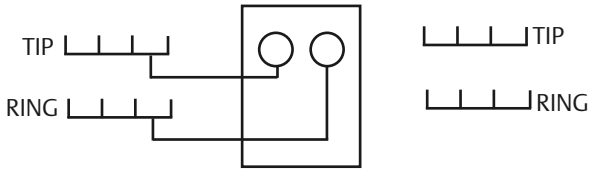
OP4



NOTE: Protection may be wired to OSP field, station field, or both.

Terminate OSP on clip 1 left side; terminate up to 3 extensions on clips 2, 3 and 4 right side; and cross-connect OSP to station by jumpering. Two additional stations may be terminated on clips 2 and 3 on the left side.

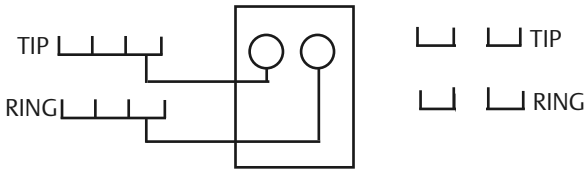
4X4



NOTE: OSP Protected Station cross-connect not protected unless jumpered to OSP.

Terminate OSP on left side; terminate station on clip 4 right side. Cross-connect by jumpering from left side to clip 1 right side. Use bridge clip to connect clips 2 and 3 right side. Remove bridge clip to test CO and subscriber wiring without removing jumper or wires.

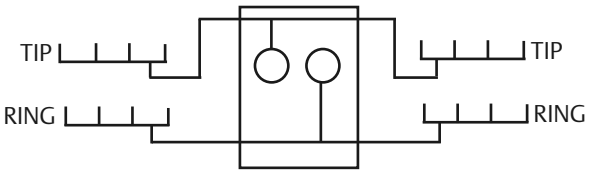
4X22



NOTE: OSP Protected Station cross-connect not protected unless jumpered to OSP.

OSP can be connected to any clip; up to seven subscriber stations may be connected to remaining clips.

4P4



NOTE: OSP & Station-protected.

EMERSON
Network Power

OSPDS-080300 / 0310

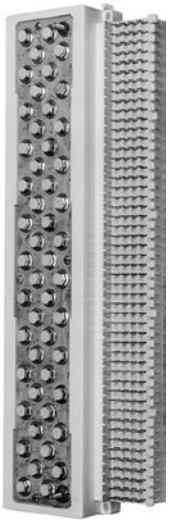
25 & 50-Pair
Protected Terminal Blocks & Enclosures

Ordering Matrix (Stubless with Quick-clips)

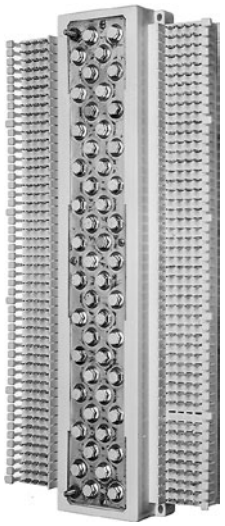
Pair Count	25	=	25-pair
Protection	P	=	Carbon
	VSR	=	Gas (meets RDUP [formerly RUS] requirements)
	JZ	=	Super Duty 1305VSB Gas, Bell/Independent, 350-380V
	T	=	Solid-state
Clip Configurations	0P4	=	4 clip station field only
	4P4	=	4 clip OSP field and 4 clip station field (all clips protected)
	4X4	=	4 clip OSP field and 4 clip station field
	4X22	=	4 clip OSP field and split 2x2 clip station field
Housing (Optional)*	MH	=	Metal housing
	blank	=	No housing

* Housing required for 50-pair stubless

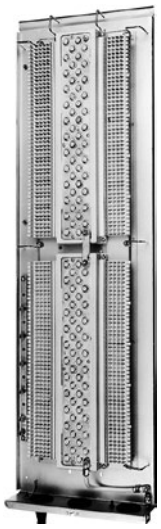
NOTE: UL Listed when installed in UL Listed enclosure.



25VSR0P4
25 Pair
Stubless with Quick-clips
(16.00"H x 8.35"W x 2.50"D)



25VSR4X4
25 Pair
Stubless with Quick-clips
(18.90"H x 6.17"W x 2.50"D)



50VSR4X4MH
50 Pair
Stubless with Quick-clips
Metal Housing
Shown without Cover
(38.06"H x 11.16"W x 3.45"D)

EMERSON
Network Power

Ordering Matrix (Stubbed with Quick-clips)

Pair Count	25	=	25-pair
	50	=	50-pair
Protection	P	=	Carbon
	VSR	=	Gas (meets RDUP [formerly RUS] requirements)
	JZ	=	Super Duty 1305VSB Gas, Bell/Independent, 350-380V
	T	=	Solid-state
Clip Configurations	0P4	=	4 clip station field only
	4X4	=	4 clip OSP field and 4 clip station field
	4X22	=	4 clip OSP field and split 2x2 clip station field
Stub Direction	D	=	Stub down
Stub Length*	7	=	7-ft. stub, 24AWG
	12	=	12-ft. stub, 24AWG
	25	=	25-ft. stub, 24AWG
Housing (Optional)	MH	=	Metal housing
	blank	=	No housing

* Additional stub lengths available, call Emerson.

NOTE: UL Listed when installed in UL Listed enclosure.

50VSR0P4D7
50 Pair Stubbed with Quick-clips
(34.90"H x 6.17"W x 2.50"D)

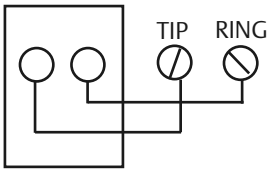
EMERSON
Network Power

OSPDS-080300 / 0310

Binding Terminal Internal Wiring

Outside plant and station termination takes place on right side.

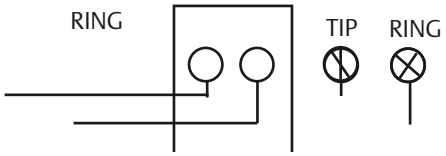
BT



OSP & Station Protected

Terminate OSP on left; terminate station on right; cross-connect by jumpering from left to right.

2BT



OSP Protected Station Cross Connect Not Protected Unless Jumpered to OSP

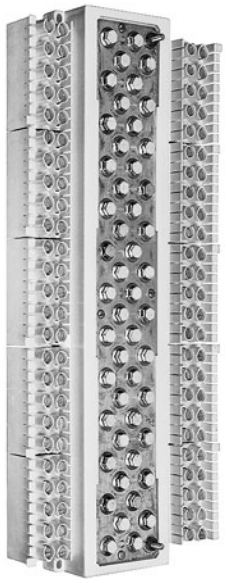
Ordering Matrix (Stubless with Binding Terminals)

Terminal Block	2BT	=	2-Field Block
Pair Count	25	=	25-pair
	50	=	50-pair
Protection	P	=	Carbon
	VSR	=	Gas (meets RDUP [formerly RUS] requirements)
	JZ	=	Super Duty 1305VSB Gas Bell/Independent, 350-380V
	T	=	Solid-state
Housing (Optional)*	MH	=	Metal housing
	blank	=	No housing

* Housing required for 50-pair stubless

NOTE 1: These versions have screw terminals on both the OSP and station field.

NOTE 2: UL Listed when installed in UL Listed enclosure.



2BT25VSR
25 Pair Stubless with Binding Terminals
(16.00"H x 7.39"W x 2.50"D)

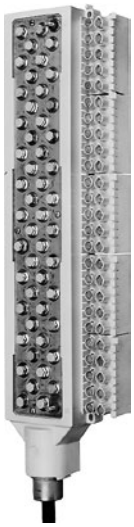
EMERSON
Network Power

Ordering Matrix (Stubbed with Binding Terminals)

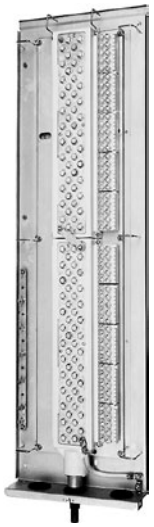
	BT	=	Terminal on station field and OSP field
	BT	=	Terminals on station field only
Pair Count	25	=	25-pair
	50	=	50-pair
Protection	P	=	Carbon
	VSR	=	Gas (meets RDUP [formerly RUS] requirements)
	JZ	=	Super Duty 1305VSB Gas Bell/Independent, 350-380V
	T	=	Solid-state
Stub Direction	D	=	Stub down
Stub Length*	7	=	7-ft. stub, 24AWG
	12	=	12-ft. stub, 24AWG
	25	=	25-ft. stub, 24AWG
Housing (Optional)	MH	=	Metal housing
	blank	=	No housing

* Additional stub lengths available, call Emerson.

NOTE: UL Listed when installed in UL Listed enclosure.



BT25VSRD7
25 Pair Stubbed with BT Terminals
(18.90"H x 5.69"W x 2.50"D)



BT50VSRD7MH (shown without cover)
50 Pair Stubbed with BT Terminals
(38.06"H x 11.16"W x 3.45"D)

EMERSON
Network Power

Accessories

Catalog Number	Part Number	Description
25MH	F015290	Aluminum housing with cover (25-pr.) 22.9"H x 10.66"W x 03.45"D
50MH	F015292	Aluminum housing with cover (50-pr.) 38.06"H x 11.16"W x 03.45"D
GB18	F015134	Ground bar
R66C3PMB	F015132	Pole-mounting bracket (recommended for BT-type blocks only)

NOTE: For additional accessories, see the Accessories section of the catalog.

Emerson Network Power
Energy Systems
4350 Weaver Parkway, Warrenville, IL 60555
Toll Free: 800-800-1280 (USA and Canada)
Telephone: 440-246-6999 Fax: 440-246-4876
Web: EmersonNetworkPower.com/OSP

OSPDS-080300 / 0310