

DESCRIPTION / APPLICATION

The MV Series double tier/disconnect blocks feature compression clamp wire connection. They are available in both double conductor and single conductor and single conductor versions. Double tier terminals increase wiring density and circuit flexibility. Universal mounting feet allow the blocks to clamp on all DIN rail styles.

DESIGN ADVANTAGES

MVS

- Terminal block disconnect - switch



MVDPS

- Double decker block with disconnect switch on upper tier and feed through block on bottom tier



MVDBS

- Double tier disconnect block. Switch disconnects both upper and lower tier
- Jumperable at either side of disconnect switch



MVDP

- Double tier terminal block (no disconnect)



MVDB

- Double tier design permits more than one wire to be terminated per circuit, without connecting more than one wire to each terminal (per VDE0611, part 1)
- Jumperable to other blocks



PHYSICAL PROPERTIES

HOUSING: Polyamide 6/6  
FLAMMABILITY RATING: UL94V-0  
OPERATING TEMPERATURE RANGE:  
-30° C to + 115° C, (-22° F to +239° F)

ELECTRICAL PROPERTIES

DIELECTRIC STRENGTH: Dry 2500 Volts/mil, moist 2000 Volts/mil  
CTI (COMPARATIVE TRACKING INDEX): >600V

ENVIRONMENTAL PROPERTIES

CHEMICAL RESISTANCE: Resistant to lubricants, engine fuels, hydraulic fluids, coolants, refrigerants, solvents, cleaners, aliphatic and aromatic hydrocarbons, salts and alkalis  
OXYGEN INDEX: 34  
MOISTURE ABSORPTION @ 73°F, 50% RH: 2.6 + 0.3

**BUCHANAN**

# DOUBLE TIER/DISCONNECT



CONTACTS

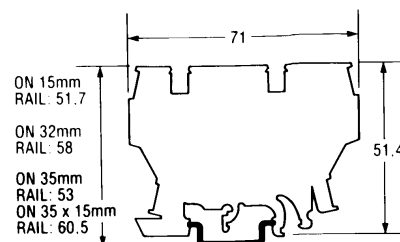
Contact Material

CONDUCTOR BARS (TOP AND LOWER) AND INTERRUPTER BLADES : copper, tin plated  
SWITCHED CONDUCTORS: brass, tin plated  
SCREW: Brass, zinc plated or steel yellow chromate

TERMINAL BLOCK	SCREW SIZE, MM
MVS	M 2,6x8,2
MVDPSM 2,6x16,2	M 2,6x8,2
MVDBSM 2,6x16,2	M 2,6x8,2
MVDPM 2,6x16,2	M 2,6x8,2
MVDBM 2,6x16,2	M 2,6x8,2

DIMENSIONS (MM)

PITCH (DEPTH): 7.3  
WIDTH: 71  
HEIGHT ON 35 x 7.5MM RAIL: 53  
PITCH OF END SECTION: 2



## DOUBLE TIER/ DISCONNECT BLOCKS SERIES MV



CHARACTERISTICS	7,3MM PITCH 20-10 AWG.	7,3MM PITCH 20-10 AWG.	7,3MM PITCH 20-10 AWG.	7,3MM PITCH 20-10 AWG.
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Type of Block	Model	Model	Model	Model
Terminal Block (Gray)	MVS	MVDPS	MVDBS	MVDP
Neutral Block (Blue)	MVSN	MVDPSN	MVDBSN	MVDPN
Description	Disconnect Switch	Double Tier (Disconnect Top Tier)	Double Tier (Disconnect Both Tiers)	Double Tier

### Electrical Characteristics

UL Rating	10 A. @ 300V	10/30 A. @ 300V	10 A. @ 300V	30 A. @ 600V
CSA Rating	10 A. @ 300V	10/30 A. @ 300V	10 A. @ 300V	30 A. @ 600V
VDE Rating	10 A. @ 380V	10/35 A. @ 380V	10 A. @ 380V	35 A. @ 380V








### Wire Range

UL AWG.	20-10	20-10	20-10	20-10
CSA AWG.	20-10	20-10	20-10	20-10
VDE Solid & Stranded (mm <sup>2</sup> )	0,5-6	0,5-6	0,5-6	0,5-6
VDE Fine (mm <sup>2</sup> )	0,5-4	0,5-4	0,5-4	0,5-4

### Specifications

Wire Strip Length, mm	6	6	6	6
Torque, N-m	0,4	0,4	0,4	0,4
Weight (grams)	16,5	21,5	19,5	21

### Accessories Interconnection

End Section (gray)		FMV	FMV	FMV	FMV
End Section (blue)		FMVN	FMVN	FMVN	FMVN
Partition Plate		PS2	PS2	PS2	PS2
Test Plug		C2-BU	C2-BU	C2-BU	C2-BU
Test Plug Socket		TB2,5	TB2,5	TB2,5	TB2,5
Jumper Assembly, 2 pole		PMV/2	PMV/2	PMV/2	PMV/2
Jumper Assembly, 10 pole		PMV/10	PMV/10	PMV/10	PMV/10
Jumper Comb (poles per package)		JS7.3 (68)	JS7.3 (68)	JS7.3 (68)	JS7.3 (68)

