

# Product Details and Certifications

## Cross Reference RA Part Number: 1492-JD3RB102 A

### Product: **1492-JD3RB102**

Description: 1492-J IEC Terminal Block, Two-Circuit Feed-Through Block, 2.5 mm (# 24 AWG - # 12 AWG), Two level block with a selectable resistor value between the 2 levels, Gray (Standard), 1000 Ohm Resistance



Representative Photo Only (actual product may vary based on configuration sections)

### **BLOCK STYLE**

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Bulletin Number	1492 Terminal Block Accessories
Base Block Style	Internal Component Blocks

### **BASE DATA**

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Base Block Type	Two-Circuit Feed-Through Block
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### **DETAIL DATA**

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Features	Two level block with a selectable resistor value between the 2 levels
Maximum Wire Size & Rating	UL: 22-12 AWG (20A Busbar @600V AC/DC)\nCSA: 26-12 AWG (10A Busbar @300V AC/DC)\nIEC: 2.5mm <sup>2</sup> @152V AC/DC
Color	Gray (Standard)
Resistor Value	1000 Ohm Resistance

### **CERTIFICATIONS AND APPROVALS**

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UR	Guide No. XCFR2, File No. E40735
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CSA

IEC

Short Circuit Current Rating

This terminal block carries a minimum of 10kA SCCR rating for all protection methods. Please see the table for other possible elevated ratings.

For UL Certifications Directory:

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

## Screw Connection Terminal Blocks

Internal Component Blocks (Diode, Resistor, Surge Suppressor)

	1492-JD3DF*			1492-JD3DR*			1492-JD3RB...*		
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.									
<b>Specifications</b>	Two Level terminal block with a diode in forward bias between the 2 levels.			Two Level terminal block with a diode in reverse bias between the 2 levels.			Two Level terminal block with a selectable resistor value between the 2 levels.		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating	380V AC/DC			380V AC/DC			300V AC/DC 400V AC/DC		
Diode Reverse Voltage Rating	1000V			1000V			N/A		
Diode Current*	1 A			1 A			—		
Resistor Type	—			—			Metal Oxide Film		
Resistor Value	—			—			10...47.5 Ω, 1/4 W		
Current through Busbar	10 A			10 A			10 A		
Wire Range (Rated Cross Section)	30...12 AWG 2.5 mm <sup>2</sup>			30...12 AWG 2.5 mm <sup>2</sup>			30...12 AWG 4 mm <sup>2</sup>		
Wire Strip Length	0.39 in (10 mm)			0.39 in (10 mm)			0.39 in (10 mm)		
Recommended Tightening Torque	4.4...8.8 lb•in (0.5...1.0 Nm)			4.4...8.8 lb•in (0.5...1.0 Nm)			4.4...8.8 lb•in (0.5...1.0 Nm)		
Density (Blocks per ft/meter)	59 per ft/196 per meter			59 per ft/196 per meter			59 per ft/196 per meter		
Housing Temperature Range	-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)		
<b>Terminal Blocks</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	
Color:	Black	1492-JD3DF	1	1492-JD3DR	1	1492-JD3RB†	1	1	
<b>Accessories</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	<b>Cat. No.</b>	<b>Pcs/ Pkg</b>	
Mounting Rails:									
1 m Symmetrical DIN (Steel)	199-DR1	10	199-DR1	10	199-DR1	10	199-DR1	10	
1 m Symmetrical DIN (Aluminum)	1492-DR5	10	1492-DR5	10	1492-DR5	10	1492-DR5	10	
1 m Hi-Rise Sym. DIN (Aluminum)	1492-DR6	2	1492-DR6	2	1492-DR6	2	1492-DR6	2	
1 m Angled Hi-Rise Sym. DIN (Steel)	1492-DR7	2	1492-DR7	2	1492-DR7	2	1492-DR7	2	
End Barrier	1492-EBJD3	20	1492-EBJD3	20	1492-EBJD3	20	1492-EBJD3	20	
End Anchors:									
Screwless End Retainer	1492-ERL35	20	1492-ERL35	20	1492-ERL35	20	1492-ERL35	20	
DIN Rail — Normal Duty	1492-EAJ35	100	1492-EAJ35	100	1492-EAJ35	100	1492-EAJ35	100	
DIN Rail — Heavy Duty	1492-EAHJ35	50	1492-EAHJ35	50	1492-EAHJ35	50	1492-EAHJ35	50	
Jumpers:									
Screw Center Jumper — 10 pole	1492-CJJ5-10	20	1492-CJJ5-10	20	1492-CJJ5-10	20	1492-CJJ5-10	20	
Screw Center Jumper — 4 pole	1492-CJJ5-4	50	1492-CJJ5-4	50	1492-CJJ5-4	50	1492-CJJ5-4	50	
Screw Center Jumper — 3 pole	1492-CJJ5-3	50	1492-CJJ5-3	50	1492-CJJ5-3	50	1492-CJJ5-3	50	
Screw Center Jumper — 2 pole	1492-CJJ5-2	50	1492-CJJ5-2	50	1492-CJJ5-2	50	1492-CJJ5-2	50	
Insulated Side Jumper — 24 Pole	1492-SJ5A-24	50	1492-SJ5A-24	50	1492-SJ5A-24	50	1492-SJ5A-24	50	
Insulated Side Jumper — 10 Pole	1492-SJ5A-10	50	1492-SJ5A-10	50	1492-SJ5A-10	50	1492-SJ5A-10	50	
Screw Type Jumper Notching Tool	1492-T1	1	1492-T1	1	1492-T1	1	1492-T1	1	
Other Accessories:									
Partition Plate	1492-PPJD3	20	1492-PPJD3	20	1492-PPJD3	20	1492-PPJD3	20	
Group Marking Carrier	1492-GM35	25	1492-GM35	25	1492-GM35	25	1492-GM35	25	
Marking Systems:									
Snap-in marker card	1492-M5X8 (144/card)	5	1492-M5X8 (144/card)	5	1492-M5X8 (144/card)	5	1492-M5X8 (144/card)	5	
Snap-in marker card	1492-M5X5 (200/card)	5	1492-M5X5 (200/card)	5	1492-M5X5 (200/card)	5	1492-M5X5 (200/card)	5	

\* See page 84 for component specifications.

† Cat. no. is incomplete. To complete the cat. no, see page 86 for resistor values.

**Resistor Terminal Blocks** — Types H2RA, H2RB, H2RC, HM2RA, HM2RB, HM3RB\*

Description	Model Code Identifier	Rating
Resistor Type	A	Carbon Fixed Resistor‡
	B	Metal Film Resistor§
	C	Wire Wound Precision Resistor
Standard Resistance Range	A	1.0 (Ω)...100 M (Ω)
	B	1.0 (Ω)...4.75 M (Ω)
	C	249 (Ω)
Resistance Tolerance	A	± 5%
	B	± 1%
	C	± 1%
Power Rating (Resistor) Maximum Continuous Watts at 86 °F (30 °C) Ambient	A	0.5 W
	B	0.25 W
	C	0.5 W
Rated Continuous Working Voltage (Resistor)	A	0.5 x R or 300V Max.
	B	0.25 x R or 250V Max.
	C	0.5 x R or 250V Max.
Operating Ambient Temperature Range	All	-4...+104 °F (-20...+40 °C)
Storage Temperature Range	All	-40...+167 °F (-40...+75 °C)
Dielectric Withstanding Voltage (Resistor)	A	700V
	B & C	500V

\* Performance Data — See this catalog, Important- 3.

‡ The power rating of the resistor block operating in ambient temperatures of 86...104 °F (30...40 °C) should be derated for maximum resistor life. The derating curve is linear between 86 °F (30 °C) and 104 °F (40 °C) where the power rating is 100% of specified power at 86 °F (30 °C) and 85% at 104 °F (40 °C).

§ For further information on resistor performance, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

**Resistor Codes for 1492-RD3RB..., -H2RB... and -HM2RB Terminal Blocks**

**Ordering Information**

In order to complete the cat. no. for **1492-RD3RB...**, **1492-H2RB**, and **1492-HM2RB**, add the desired resistor code from the table below. Example: Cat. No. **1492-RD3RB101** is a resistor terminal block with a 100 (Ω) — 1/4 W resistor.

Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code	Resistor Value Ω	Resistor Code
10	100	267	271	8250	822	0.221M	224
11	110	301	301	9090	912	0.243M	244
12.1	120	332	331	10 000	103	0.267M	274
13	130	357	361	11 000	113	0.301M	304
15	150	392	391	12 100	123	0.332M	334
16	160	432	431	13 000	133	0.357M	364
18.2	180	475	471	15 000	153	0.392M	394
20	200	511	511	16 200	163	0.432M	434
22.1	220	562	561	18 200	183	0.475M	474
24.3	240	619	621	20 000	203	0.511M	514
26.7	270	681	681	22 100	223	0.562M	564
30.1	300	750	751	24 300	243	0.619M	624
33.2	330	825	821	26 700	273	0.681M	684
35.7	360	909	910	30 100	303	0.75M	754
39.2	390	<b>1000</b>	<b>102</b>	33 200	333	0.825M	824
43.2	430	1100	112	35 700	363	0.909M	914
47.5	470	1210	122	39 200	393	1.0M	105
51.1	510	1300	132	43 200	433	1.1M	115
56.2	560	1500	152	47 500	473	1.24M	125
61.9	620	1620	162	51 100	513	1.3M	135
68.1	680	1820	182	56 200	563	1.5M	155
75	750	2000	202	61 900	623	1.62M	165
82.5	820	2210	222	68 100	683	1.82M	185
90.9	910	2430	242	75 000	753	2.0M	205
100	101	2670	272	82 500	823	2.21M	225
110	111	2940	302	90 900	913	2.43M	245
121	121	3320	332	0.10M	104	2.67M	275
130	131	3570	362	0.11M	114	3.01M	305
150	151	3920	392	0.121M	124	3.32M	335
162	161	4750	472	0.13M	134	3.57M	365
182	181	5110	512	0.15M	154	3.92M	395
200	201	5620	562	0.162M	164	4.32M	435
221	221	6810	682	0.182M	184	4.75M	475
243	241	7500	752	0.20M	204	249	001