

# Product Details and Certifications

## Cross Reference RA Part Number: 1492-LD4RB102 A

### Product: **1492-LD4RB102**

Description: 1492-L Spring Clamp Terminal Block, Two-Circuit Feed-Through Block, 4 mm<sup>2</sup> (# 22 AWG - # 10 AWG) or 2.5 mm (# 22 AWG - # 12 AWG), Two level block with a selectable metal oxide film resistor value between the 2 levels, Black (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 metal oxide film resistor value between the 2 levels
Maximum Wire Size & Rating	UL: 26-10 AWG (25A @600V AC/DC)\nCSA: 26-10 AWG (30A @600V AC/DC)\nIEC 4mm <sup>2</sup> (32A @152V AC/DC)
Color	Black (Standard)
Resistor Value	1000 Ohm Resistance

### **CERTIFICATIONS AND APPROVALS**

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UR	UL 486E, UL 1059; Reference File: E40735
CSA	CSA C22.2 No. 65, No. 158; On Website, Name: Rockwell, Keyword Search: 1492
IEC	EN 60947-1, EN 60947-7-1(Feed-Through), -2(Ground), -3(Fuse)
Short Circuit Current Rating	This terminal block carries a minimum of 10kA SCCR rating for all protection method: Please see the table for other possible elevated ratings.
For CSA Certifications:	<a href="http://directories.csa-international.org/directorymain.asp">http://directories.csa-international.org/directorymain.asp</a>
For UL Certifications Directory:	<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>

# Spring-Clamp Connection Terminal Blocks

Internal Component Blocks (Diode, Resistor, Surge Suppressor)

	1492-LD4DF*			1492-LD4DR*			1492-LD4RB...*		
<p>Dimensions are not intended to be used for manufacturing purposes.                      Note: Height dimension is measured from top of rail to top of terminal block.</p>									
<b>Specifications</b>	Two-level terminal block with an IN4007 diode in forward bias between the 2 levels.			Two-level terminal block with an IN4007 diode in reverse bias between the 2 levels.			Two-level terminal block with a selectable metal oxide film resistor value between the 2 levels.		
<b>Certifications</b>		<b>CSA</b>	<b>IEC</b>		<b>CSA</b>	<b>IEC</b>		<b>CSA</b>	<b>IEC</b>
<b>Voltage Rating</b>	600V AC/DC			600V AC/DC			600V AC/DC		
<b>Maximum Current</b>	25 A	30 A	32 A	25 A	30 A	32 A	25 A	30 A	32 A
<b>Component Current/Wattage Rating*</b>	1 A			1 A			0.25 W		
<b>Wire Range (Rated Cross Section)</b>	#26...10 AWG		4 mm <sup>2</sup>	#26...10 AWG		4mm <sup>2</sup>	#26...10 AWG		4mm <sup>2</sup>
<b>Wire Strip Length</b>	0.39 in. (10 mm)			0.39 in. (10 mm)			0.39 in. (10 mm)		
<b>Density</b>	49 pcs/ft (163 pcs/m)			49 pcs/ft (163 pcs/m)			49 pcs/ft (163 pcs/m)		
<b>Housing Temperature Range</b>	-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>Pkg Qty.</b>		<b>Cat. No.</b>	<b>Pkg Qty.</b>		<b>Cat. No.</b>	<b>Pkg Qty.</b>
<b>Color</b>	<b>Black</b>	1492-LD4DF	1		1492-LD4DR	1		1492-LD4RB*	1
<b>Accessories</b>		<b>Cat. No.</b>	<b>Pkg Qty.</b>		<b>Cat. No.</b>	<b>Pkg Qty.</b>		<b>Cat. No.</b>	<b>Pkg Qty.</b>
<b>Mounting Rails</b>									
1 m Symmetrical DIN (Steel)		199-DR1	10		199-DR1	10		199-DR1	10
1 m Symmetrical DIN (Aluminum)		1492-DR5	10		1492-DR5	10		1492-DR5	10
1 m Hi-Rise Symmetrical DIN (Aluminum)		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
<b>End Barrier</b>	Grey	1492-EBLD4	20		1492-EBLD4	20		1492-EBLD4	20
<b>End Anchors and Retainers</b>									
Screwless End Retainer		1492-ERL35	20		1492-ERL35	20		1492-ERL35	20
DIN Rail — Normal Duty		1492-EAJ35	100		1492-EAJ35	100		1492-EAJ35	100
DIN Rail — Heavy Duty		1492-EAHJ35	50		1492-EAHJ35	50		1492-EAHJ35	50
<b>Jumpers</b>									
Plug-in Center Jumper — 10-pole		1492-CJK6-10	20		1492-CJK6-10	20		1492-CJK6-10	20
Plug-in Center Jumper — 9-pole		1492-CJK6-9	20		1492-CJK6-9	20		1492-CJK6-9	20
Plug-in Center Jumper — 8-pole		1492-CJK6-8	20		1492-CJK6-8	20		1492-CJK6-8	20
Plug-in Center Jumper — 7-pole		1492-CJK6-7	20		1492-CJK6-7	20		1492-CJK6-7	20
Plug-in Center Jumper — 6-pole		1492-CJK6-6	20		1492-CJK6-6	20		1492-CJK6-6	20
Plug-in Center Jumper — 5-pole		1492-CJK6-5	20		1492-CJK6-5	20		1492-CJK6-5	20
Plug-in Center Jumper — 4-pole		1492-CJK6-4	60		1492-CJK6-4	60		1492-CJK6-4	60
Plug-in Center Jumper — 3-pole		1492-CJK6-3	60		1492-CJK6-3	60		1492-CJK6-3	60
Plug-in Center Jumper — 2-pole		1492-CJK6-2	60		1492-CJK6-2	60		1492-CJK6-2	60
<b>Other Accessories</b>									
Test Plug		1492-TP23	20		1492-TP23	20		1492-TP23	20
Group Marking Carrier		1492-GM35	25		1492-GM35	25		1492-GM35	25
<b>Marking Systems</b>									
Snap-In Marker Cards		1492-M6X10 (120/card)	5		1492-M6X10 (120/card)	5		1492-M6X10 (120/card)	5
Snap-In Marker Cards		1492-M6X5 (200/card)	5		1492-M6X5 (200/card)	5		1492-M6X5 (200/card)	5

\* For component specifications, see page 12-89

\* Cat. no. is incomplete. To complete the cat. no., see resistor value (10...4750 Ω).

# NEMA Terminal Block Accessories Specifications

## 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