

CRIMPER SELECTOR GUIDE

Ferrule and Wire Size by Crimper Type

Use this Selector Guide to determine ferrule and wire sizes which can be crimped. Refer to ordering pages 94-97 for additional selection and ordering information.

1. Determine the wire size(s) to be used.
2. Select the appropriate ferrule size(s).¹
3. Based on the ferrule size, choose the crimper type appropriate for use.
4. Select the crimper style best suited for your application.

		CRIMPER STYLES										
		UNIVERSAL FERRULE CRIMPER					PNEUMATIC FERRULE CRIMPER			VISE MOUNT FERRULE CRIMPER		
Wire Size AWG	Ferrule Size mm ²	Crimper Type	E110.000	E110.005	E110.010	E110.015	E110.020	ACT2.5P ²	ACT10-P	ACT2.5T-P ²	ACT10T-P	GFCF
26	.14	■										
24	.25	■										
22	.34	■										
20	.50	■										
20	.75	■										
18	1.00	■										
16	1.50	■										
14	2.50	■										
12	4.00							X		X		
10	6.00							X		X		
8	10.00							X		X		
6	16.00											
4	25.00					X						
2	35.00					X						
1	50.00						X					
2/0	70.00											X
3/0	95.00											X
4/0	120.00											X
250MCM	150.00											X

Dual Wire Ferrules

E110.000 crimper covers 2x20 to 2x12 AWG dual wire ferrules

E110.010 crimper covers 2x10 to 2x8 AWG dual wire ferrules

E110.015 crimper covers 2x6 AWG dual wire ferrules

Key:

- = Multi-Cavity Range
- X = Individual Cavity

¹ To insure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire.

² Insulated ferrule/wire size range is shown, uninsulated ferrule range is 16-14 AWG (1.50 - 2.5mm²).

CONVERSION TABLES

Length inch [in.] x 25.4 =millimeters millimeters [mm] x 0.03937 =inches meters [m] x 3.281 =feet miles [mi] x 1.609 =kilometers kilometers [km] x 0.6214 =miles Torque Newtonmeter [Nm] x 0.738 =lb-ft lb-ft x 1.356 =Nm lb-in x 0.113 =Nm oz-in x 0.0071 =Nm Power kilowatt [kW] x 1.341 =hp hp x 0.7457 =kW Moment of Inertia (WR²) lb-ft ² x 0.042 =kgm ² kilogrammeter ² 23.720 =lb-ft ² [kgm ²] Weight Mass and Force Newton [N] x 0.2248 =pound kilogram [kg] x 2.205 =pounds pound [lb] x 4.448 =N pound [lb] x 0.4536 =kg	Metric Cross-Sectional Areas *		American Wire Gauge		Metric Cross-Sections Areas *		American Wire Gauge	
	Cross-Sectional Area mm ²	Equivalent Metric Area mm ²	AWG or MCM	Cross-Sectional Area mm ²	Equivalent Metric Area mm ²	AWG or MCM		
0.50	0.519	20 AWG	25.0	21.15	4 AWG			
0.75	0.653	19	26.67	3				
	0.823	18	33.63	2				
			42.41	1				
1.5	1.04	17	53.48	1/0				
	1.31	16	67.43	3/0				
	1.65	15	85.03					
2.5	2.08	14						
	2.62	13	107.20	4/0				
			126.64	250 MCM				
4.0	3.31	12	152.00	300				
	4.17	11	177.35	350				
	5.26	10	202.71	350				
6.0			253.35	400				
	6.63	9		500				
	8.37	8	380.00	750				
10.0			506.71	1000				
	10.55	7						
	13.30	6	500.0					
16.0	16.77	5	625.0					

* As per IEC Publ. 228

DEGREES CELSIUS VERSUS DEGREES FAHRENHEIT

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
-80	-112.0	-20	-4.0	5	41.0	30	86.0	55	131.0	80	176.0	105	221.0	130	266.0
-70	-94.0	-19	-2.2	6	42.8	31	87.8	56	132.8	81	177.8	106	222.8	131	267.8
-60	-65.0	-18	-0.4	7	44.6	32	89.6	57	134.6	82	179.6	107	224.6	132	269.6
-50	-58.0	-17	+1.4	8	46.4	33	91.4	58	136.4	83	181.4	108	226.4	133	271.4
-45	-49.1	-16	3.2	9	48.2	34	93.2	59	138.2	84	183.2	109	228.2	134	273.2
-40	-40.0	-15	5.0	10	50.0	35	95.0	60	140.0	85	185.0	110	230.0	135	275.0
-39	-38.2	-14	6.8	11	51.8	36	96.8	61	141.8	86	186.8	111	231.8	136	276.8
-38	-36.4	-13	8.6	12	53.6	37	98.6	62	143.6	87	188.6	112	233.6	137	278.6
-37	-34.6	-12	10.4	13	55.4	38	100.4	63	145.4	88	189.4	113	235.4	138	280.4
-36	-32.8	-11	12.2	14	57.2	39	102.2	64	147.2	89	192.2	114	237.2	139	282.2
-35	-31.0	-10	14.0	15	59.0	40	104.0	65	149.0	90	194.0	115	239.0	140	284.0
-34	-29.2	-9	15.8	16	60.8	41	105.8	66	150.8	91	195.8	116	240.8	141	285.8
-33	-27.4	-8	17.6	17	62.6	42	107.6	67	152.6	92	197.6	117	242.6	142	287.6
-32	-25.6	-7	19.4	18	64.4	43	109.4	68	154.4	93	199.4	118	244.4	143	289.4
-31	-23.8	-6	21.2	19	66.2	44	111.2	69	156.2	94	201.2	119	246.2	144	291.2
-30	-22.0	-5	23.0	20	68.0	45	113.0	70	158.0	95	203.0	120	248.0	145	293.0
-29	-22.0	-4	24.8	21	69.8	46	114.8	71	159.8	96	204.8	121	249.8	146	294.8
-28	-18.4	-3	26.6	22	71.6	47	116.6	72	161.6	97	206.6	122	251.6	147	296.6
-27	-16.6	-2	28.4	23	73.4	48	118.4	73	163.4	98	208.4	123	253.4	148	298.4
-26	-14.8	-1	30.2	24	75.2	49	120.2	74	165.2	99	210.2	124	255.2	149	300.2
-25	-13.0	0	32.0	25	77.0	50	122.0	75	167.0	100	212.0	125	257.0	150	302.0
-24	-11.2	1	33.8	26	78.8	51	123.8	76	168.8	101	213.8	126	258.8	160	320.0
-23	-9.4	2	35.6	27	80.6	52	125.6	77	170.6	102	215.6	127	260.6	170	338.0
-22	-7.6	3	37.4	28	82.4	53	127.4	78	172.4	103	217.4	128	262.4	180	356.0
-21	-5.8	4	39.2	29	84.2	54	129.2	79	174.2	104	219.2	129	264.2	190	374.0

Conversion Formula °F = 9/5°C + 32°

°C = 5/9(°F-32°)

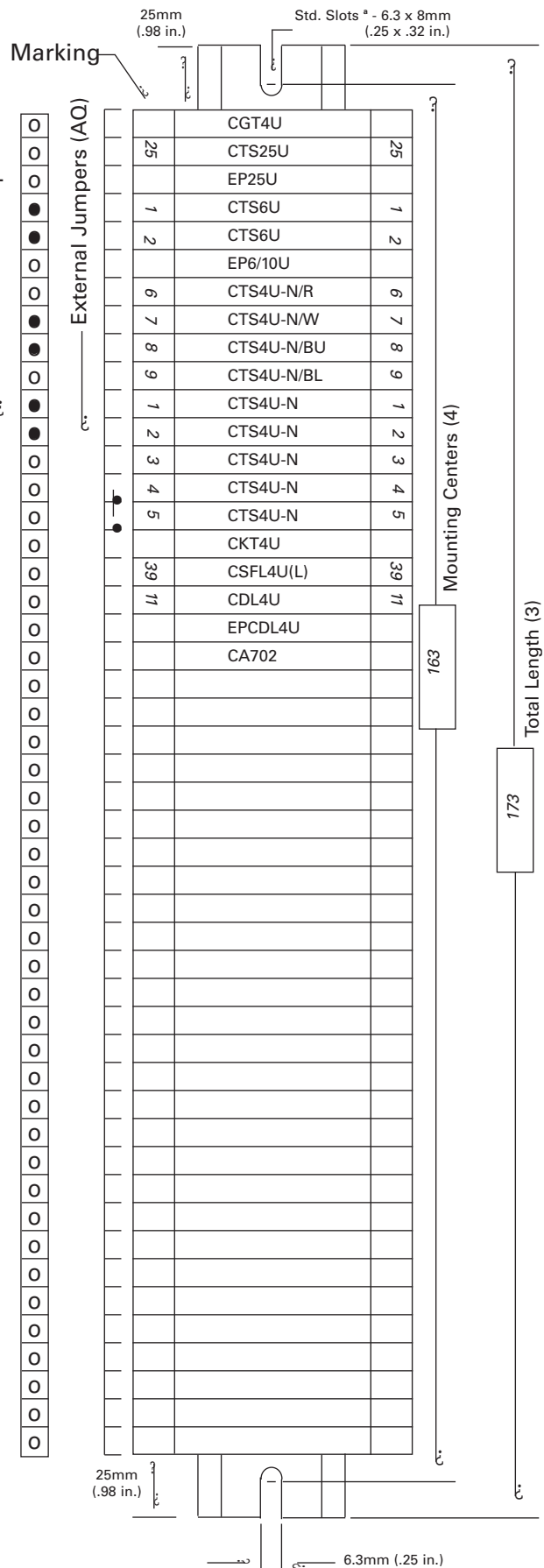
DIN RAIL ASSEMBLY WORKSHEET

Indicate the specific positions of all terminal blocks and accessories selected. Include terminal markings, external and internal jumpers.

Bill of Material

Component Description	Cat. No.	Qty.	Width Ea. (mm)	Ext. Width (mm)
Ground Blk	CGT4U	1	6	6
FeedThrough	CTS25U	1	12	12
End Plate	EP25U	1	2	2
FeedThrough	CTS6U	2	8	16
End Plate	EP6/10U	1	1.5	1.5
FeedThrough	CTS4U-N/R	1	6	6
FeedThrough	CTS4U-N/W	1	6	6
FeedThrough	CTS4U-N/BU	1	6	6
FeedThrough	CTS4U-N/BL	1	6	6
FeedThrough	CTS4U-N	5	6	30
Disconnect	CKT4U	1	6	6
Fuse Block	CSFL4U(L)	1	8	8
Double Level Block	CDL4U	1	6	6
End Plate	EPCDL4U	1	2.5	2.5
End Stop	CA702	1	9	9
External Jumper 2P	CA714/2	1	-	-
Internal Jumper 3P	CA722/3	1	-	-
Push on Marker	-	-	-	-
A = Total				123

EXAMPLE



DIN Rail Length Calculation	mm
(1) Std. Mounting Allowance at Ends = 25mm x 2	50
(2) Total Width of Components = A	123
(3) Total Length (Rail) = (1) + (2)	173
(4) Mounting Centers = (3) - 10mm ^b	163

DIN Rail Ordering Information	(3) Length (mm)
Cat. No. 2511120	173

Company: B.L. Products Company
 Address: 135 East Front St.
York, PA 17405
 Phone: (717) 555-8086 FAX: (717) 555-8087
 Contact: Doug Jones, EE

^a Other slot and hole configurations available, please consult
^b Based on standard 8 mm slots.

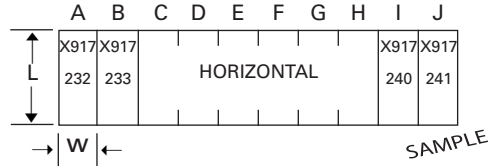
IMPRINT SCHEDULE FOR CUSTOM MARKING TAGS*

Company: _____
 Address: _____
 Phone: (____) _____ FAX: (____) _____
 Contact: _____

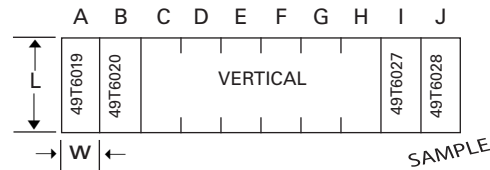
Ordering Instructions

- 1) Indicate Tag Type (Use separate sheet for each Tag Type ordered).
- 2) List imprint sequence for each strip. (Please use Typewriter)
- 3) Indicate strip quantity for each strip.
- 4) Indicate total strip quantity.
- 5) Mail or FAX form with Purchase Order

Cat. No. Horizontal Imprint	Tag Dimensions W x H
<input type="checkbox"/> MT 2/H- XX	4.9 x 5.8
<input type="checkbox"/> MT 3/H- XX	5.0 x 10.0
<input type="checkbox"/> MT 4/H- XX	5.0 x 4.8
<input type="checkbox"/> MT 5/H- XX	9.4 x 4.5
<input type="checkbox"/> MT 6/H- XX	9.4 x 5.5
<input type="checkbox"/> MT 8/H- XX	10.4 x 7.3
<input type="checkbox"/> MT 9/H- XX	10.3 x 8.7
<input type="checkbox"/> MT 10/H- XX	10.4 x 9.4
<input type="checkbox"/> MT 12/H- XX	10.4 x 11.3
<input type="checkbox"/> MT 15/H- XX	10.4 x 14.3
<input type="checkbox"/> MT 20/H- XX	4.9 x 20
<input type="checkbox"/> MT 25/H- XX	4.9 x 25



Cat. No. Vertical Imprint	Tag Dimensions W x H
<input type="checkbox"/> MT 2/V- XX	4.9 x 5.8
<input type="checkbox"/> MT 3/V- XX	5.0 x 10.0
<input type="checkbox"/> MT 4/V- XX	5.0 x 4.8
<input type="checkbox"/> MT 5/V- XX	9.4 x 4.5
<input type="checkbox"/> MT 6/V- XX	9.4 x 5.5
<input type="checkbox"/> MT 8/V- XX	10.4 x 7.3
<input type="checkbox"/> MT 9/V- XX	10.3 x 8.7
<input type="checkbox"/> MT 10/V- XX	10.4 x 9.4
<input type="checkbox"/> MT 12/V- XX	10.4 x 11.3
<input type="checkbox"/> MT 15/V- XX	10.4 x 14.3
<input type="checkbox"/> MT 20/V- XX	4.9 x 20
<input type="checkbox"/> MT 25/V- XX	4.9 x 25



Strip Qty.

	1	2	3	4	5	6
A						
B						
C						
D						
E						
F						
G						
H						
I						
J						
	<input type="text"/> Strip Qty.	<input type="text"/> Strip Qty.	<input type="text"/> Strip Qty.	<input type="text"/> Strip Qty.	<input type="text"/> Strip Qty.	<input type="text"/> Strip Qty.

*** SET-UP FEE APPLIES TO CUSTOM IMPRINTS.**