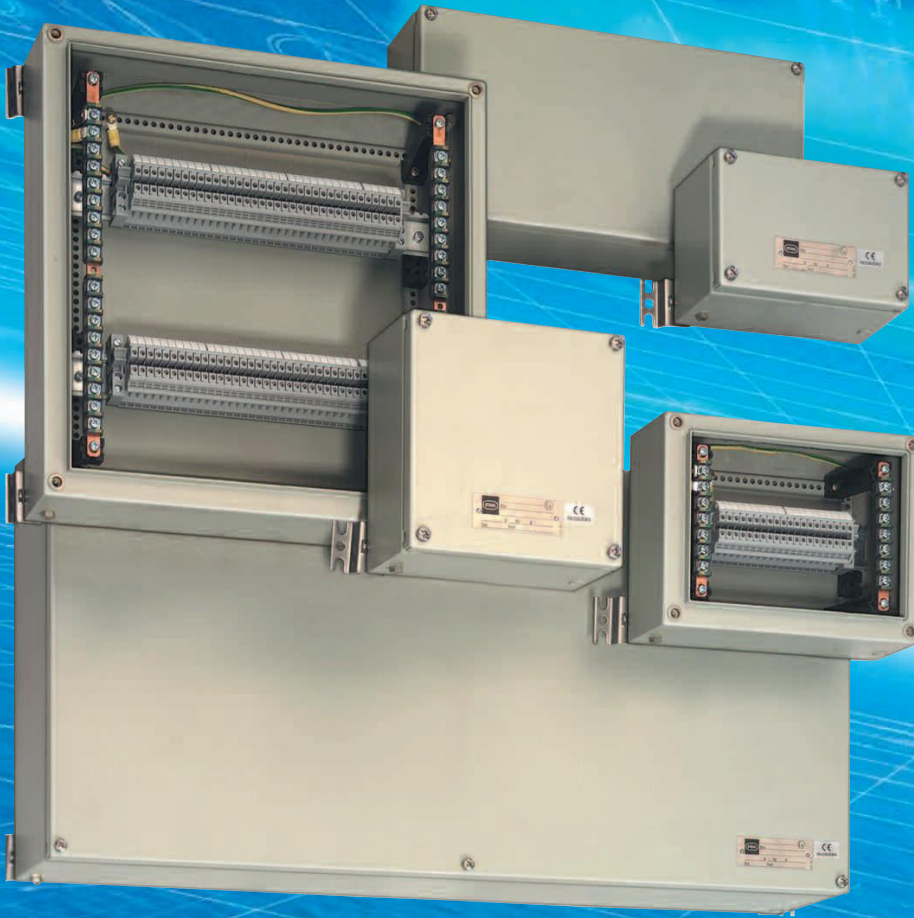


STAHL

Ready-Term® 8125 Terminal Boxes Features:

- *Pre-Configured with terminals mounted*
- *Materials:
Stainless Steel or
Carbon Steel*
- *Six enclosure sizes with
different depths*
- *For power and control
circuits*
- *For I.S. circuits with
blue terminals*
- *Entry hardware
optional*
- *Field installation
possible*



PRE-CONFIGURED STAINLESS AND CARBON STEEL TERMINAL BOXES
WITH PHOENIX TERMINALS



Ordering Information

TERM. QTY.	WIRE RANGE AWG.	TERM. SIZE mm2	MAX. AMPS. PER TERM.	CATALOG NUMBER		CATALOG NUMBER		ENCLOSURE ORIENTATION
				FOR POWER & CONTROL CIRCUITS	GRND. WIRE CONNECTIONS	FOR INTRINSICALLY SAFE CIRCUITS	PA WIRE CONNECTIONS	
15	28-12	2.5	20	8125/1041-2DP-12015*	8	8125/2041-2DP-12015*	8	
18	28-12	2.5	20	8125/1051-2DP-12018	14	8125/2051-2DP-12018	14	
15	30-10	4	30	8125/1051-2DP-10015	14	8125/2051-2DP-10015	14	
9	24-6	10	65	8125/1051-2DP-06009	12	-	-	
24	28-12	2.5	20	8125/1061-2DP-12024	14	8125/2061-2DP-12024	14	
21	30-10	4	30	8125/1061-2DP-10021	14	8125/2061-2DP-10021	14	
9	24-6	10	65	8125/1061-2DP-06009	12	-	-	
45	28-12	2.5	20	8125/1071-2DP-12045	14	8125/2071-2DP-12045	14	
36	30-10	4	30	8125/1071-2DP-10036	14	8125/2071-2DP-10036	14	
24	24-6	10	65	8125/1071-2DP-06024	12	-	-	

To Select Painted Steel Enclosures change 2 to 1
To Select Weidmuller Terminals change P to W
For dimensional data see page C20
*With Phoenix terminals only

CLASSIFICATIONS OF 8125/1
NEC- Class I, Zones 1 & 2 AEx e II T6/T5
Class I, Division 2, Groups A,B,C,D
Class II, Division 2, Groups F,G
Class III

Types:

- stainless steel version
3, 4 & 4X; IP66,
- carbon steel version, painted
3 & 4; IP66,

File No. E177642

CEC- Class I, Zones 1 & 2 Ex e II T6/T5
Class I, Division 2, Groups A,B,C,D
Class II, Divisions 1 & 2, Groups E,F,G
Class III

CSA ENCLOSURES

- stainless steel version
Types 3, 4 & 4X; IP66
- carbon steel version, painted
Types 3 & 4; IP66

File No. LR 99480

II 2G Ex e II T6/T5, Zones 1 & 2
II 2G Ex ia/ib IIA, IIB, IIC T6
PTB 00 ATEX 3116

II 2D IP6X, T80°C, T95°C or T130°C
LCIE 03 ATEX 6291

Max. Voltage 600 AC/DC

Ambient Temperature Range:

- +40°C (+104°F) Max. T6
- +55°C (+131°F) Max. T5
- 20°C (-4°F) Min.

Special Ambient Temperature Range:*

- +60°C (+140°F) Max.
- 50°C (-58°F) Min.

* Consult Factory

FEATURES

The Ready-Term® 8125 Series of terminal boxes are made of 316 stainless sheet steel or painted carbon steel. They offer a one-source solution to the time-consuming process of providing ready to install terminal boxes for hazardous locations. With its single part number solution, the Ready-Term® 8125 Series eliminates the inconvenience of purchasing the enclosure and individual parts. This Series is supplied with the indicated quantity of individually numbered terminals for each size of enclosure, fully certified and ready to be installed.



"Hazardous Location" Conduit Hubs, Mounted

HUB, NPT THREAD SIZE	CATALOG NUMBER
1/2"	8166/11-01-NE m
3/4"	8166/11-02-NE m
1"	8166/11-03-NE m
1 1/4"	8166/11-04-NE m
1 1/2"	8166/11-05-NE m
2"	8166/11-06-NE m
2 1/2"	8166/11-07-NE m
3"	8166/11-08-NE m

Ready-Term® 8125 Terminal Boxes

PRE-CONFIGURED STAINLESS AND CARBON STEEL TERMINAL BOXES
WITH PHOENIX TERMINALS

Ordering Information

TERM. QTY.	WIRE RANGE AWG.	TERM. SIZE mm ²	MAX. AMPS. PER TERM.	CATALOG NUMBER		CATALOG NUMBER		ENCLOSURE ORIENTATION
				FOR POWER & CONTROL CIRCUITS	GRND. WIRE CON-NECTIONS	FOR INTRINSICALLY SAFE CIRCUITS	PA WIRE CON-NECTIONS	
45	28-12	2.5	20	8125/1073-2DP-12045	14	8125/2073-2DP-12045	14	
36	30-10	4	30	8125/1073-2DP-10036	14	8125/2073-2DP-10036	14	
24	24-6	10	65	8125/1073-2DP-06024	12	-	-	
18	22-4	16	85	8125/1073-2DP-04018	6	-	-	
12	18-1/0	35	150	8125/1073-2DP-1/012	6	-	-	
45	28-12	2.5	20	8125/1083-2DP-12045	36	8125/2083-2DP-12045	36	
36	30-10	4	30	8125/1083-2DP-10036	36	8125/2083-2DP-10036	36	
24	24-6	10	65	8125/1083-2DP-06024	24	-	-	
18	22-4	16	85	8125/1083-2DP-04018	6	-	-	
12	18-1/0	35	150	8125/1083-2DP-1/012	6	-	-	
90	28-12	2.5	20	8125/1083-2DP-12090	72	8125/2083-2DP-12090	72	
72	30-10	4	30	8125/1083-2DP-10072	72	8125/2083-2DP-10072	72	
48	24-6	10	65	8125/1083-2DP-06048	48	-	-	
90	28-12	2.5	20	8125/1093-2DP-12090	72	8125/2093-2DP-12090	72	
72	30-10	4	30	8125/1093-2DP-10072	72	8125/2093-2DP-10072	72	
48	24-6	10	65	8125/1093-2DP-06048	48	-	-	
36	22-4	16	85	8125/1093-2DP-04036	12	-	-	
24	18-1/0	35	150	8125/1093-2DP-1/024	12	-	-	
180	28-12	2.5	20	8125/1093-2DP-12180	72	8125/2093-2DP-12180	72	
144	30-10	4	30	8125/1093-2DP-10144	72	8125/2093-2DP-10144	72	
96	24-6	10	65	8125/1093-2DP-06096	48	-	-	

To Select Painted Steel Enclosures change 2 to 1
To Select Weidmuller Terminals change P to W
For dimensional data see page C20

TERMINATION



CLASSIFICATIONS of 8125/1

NEC- Class I, Zones 1 & 2 AEx e II T6/T5
Class I, Division 2, Groups A,B,C,D
Class II, Division 2, Groups F,G
Class III

Types: See Page C15
File No. E177642



CEC- Class I, Zones 1 & 2 Ex e II T6/T5
Class I, Division 2, Groups A,B,C,D
Class II, Divisions 1 & 2, Groups E,F,G
Class III

CSA ENCLOSURES: See Page C15
File No. LR 99480



II 2G Ex e II T6/T5, Zones 1 & 2
II 2G Ex ia/ib IIA, IIB, IIC T6

PTB 00 ATEX 3116

Dust approval, see page C15

Max. Voltage 600 AC/DC

Ambient Temperature Range:
See Page C15

In addition to the various North American applications, this Series is PTB certified for use in Zones 1 and 2. The design conforms to CENELEC EN 50 019 and IEC 60 079-7 and many others. Consult factory.

APPLICATION

Typical applications include junction boxes for petrochemical plants, waste treatment facilities, oil refineries and other major industrial plants. As a product with certifications recognized globally, the Ready-Term® 8125 Series is well suited for original equipment manufacturers who market throughout the world.

The 8125/1 Series of terminal boxes is intended for use on circuits designed for power and motor control applications.

The 8125/2 Series is intended for use with intrinsically safe circuits. These enclosures are outfitted with blue terminals to provide an indication to field personnel that the circuits are intrinsically safe and should not be confused with non-intrinsically safe circuits.

These enclosures make it necessary for the metal entry hardware to be bonded to the ground system. Use the suitable 8166/11 conduit hubs specified in the hub table on page C15.

Custom enclosures can be configured upon request.

The following modifications are available:

- Stainless Steel hinges for right or left side (specify)
- Conduit hubs 8166/11 (specify)
- Cable glands (specify)
- Close-up plugs (specify)
- Flange plates (specify)
- Screw-Type Terminals up to 600MCM
- Cage Clamp Terminals up to 8AWG



INNOVATIVE EXPLOSION PROTECTION by R. STAHL 1-800-782-4357



The 8125 Series of metallic terminal boxes are available with factory installed conduit hubs for conduit installation or with cable glands for cable installation.

Approved and suitable for the location entry hardware can also be field installed.

These enclosures make it necessary for the metal cable glands or conduit hubs to be bonded to the ground system. This can be accomplished by installing enclosures with flange plates according to Method 1 (shown on the upper half of this page), or enclosures without flange plates according to Method 2 (shown on the lower half of this page).

For cable glands see section J.

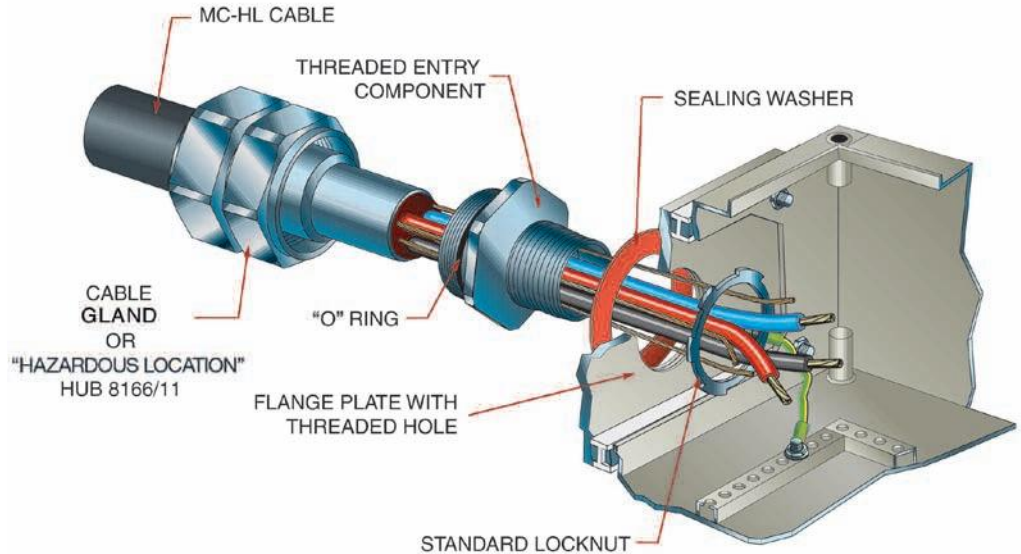
Table for max. numbers of entry openings either installed with conduit hubs 8166/11 or cable glands (see page C18).

CAUTION:
The max. possible number of entries which can be installed on the sides of the enclosures depends on the number of terminal columns installed. With horizontally installed columns, there are no side entries possible or only limited, depending on enclosure size. With vertically installed columns there are no bottom or top entries possible, or only limited, depending on enclosure size.

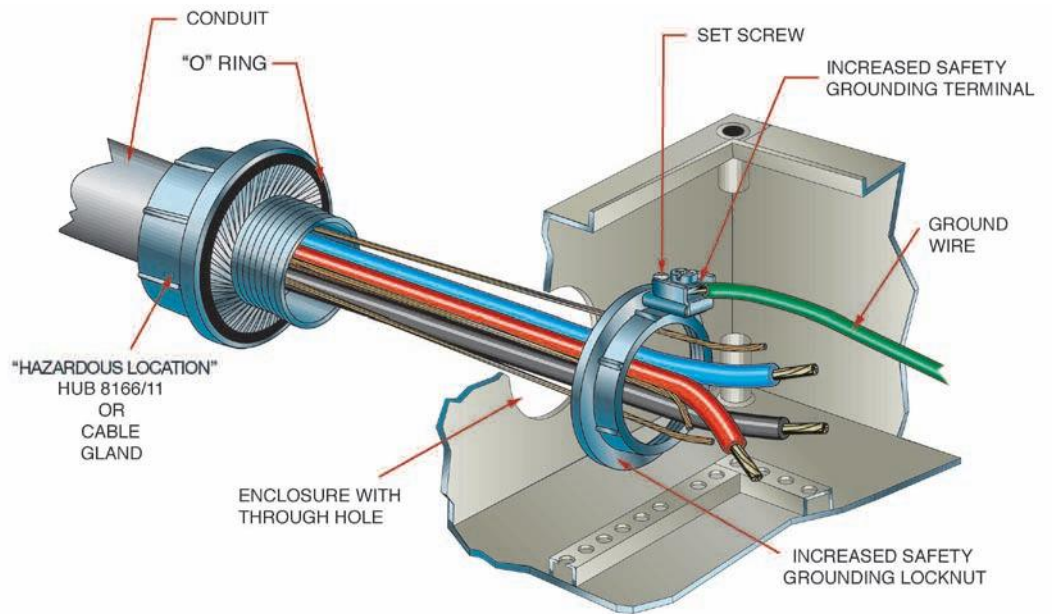
8125 Series Terminal Boxes

INSTALLATION OF ENTRY HARDWARE

Method 1: Enclosures with flange plates using threaded openings through the flange plate and standard locknuts. Flange plates must be connected to the internal grounding system using jumper wires.



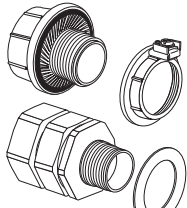
Method 2: Enclosures without flange plates using a hole 'through the enclosure' with an 'increased safety' grounding locknut.



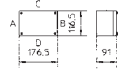
These locknuts must be bonded between each other and to the grounding system using a jumper wire.

After the entry hardware is installed, connect the appropriate conduit or cable.

INSTALLATION OF 8166/11 CONDUIT HUBS OR TMCW CABLE GLANDS

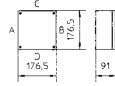


8125/.041



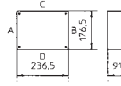
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	2	3	-	2
3/4"	1	3	-	2
1"	1	2	-	-
1-1/4"	1	2	-	-
1-1/2"	-	-	-	-
2"	-	-	-	-
2-1/2"	-	-	-	-
3"	-	-	-	-

8125/.051



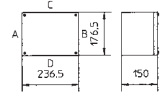
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	3	3	2	2
3/4"	3	3	2	2
1"	2	2	-	-
1-1/4"	2	2	-	-
1-1/2"	-	-	-	-
2"	-	-	-	-
2-1/2"	-	-	-	-
3"	-	-	-	-

8125/.061

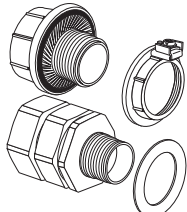


Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	3	5	2	2
3/4"	3	4	2	2
1"	2	3	-	-
1-1/4"	2	2	-	-
1-1/2"	-	-	-	-
2"	-	-	-	-
2-1/2"	-	-	-	-
3"	-	-	-	-

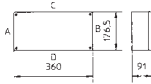
8125/.063



Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	6	10	4	4
3/4"	5	8	4	4
1"	4	6	2	2
1-1/4"	3	4	1	1
1-1/2"	2	3	1	1
2"	1	2	1	1
2-1/2"	1	2	1	1
3"	1	1	-	-

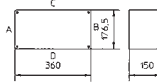


8125/.071



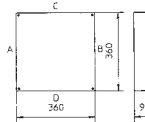
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	3	8	2	4
3/4"	3	6	2	4
1"	2	5	-	-
1-1/4"	2	4	-	-
1-1/2"	-	-	-	-
2"	-	-	-	-
2-1/2"	-	-	-	-
3"	-	-	-	-

8125/.073



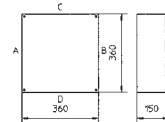
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	6	16	4	10
3/4"	5	12	4	8
1"	4	10	2	4
1-1/4"	3	7	1	4
1-1/2"	2	5	1	3
2"	1	4	1	2
2-1/2"	1	3	1	2
3"	1	2	-	-

8125/.081

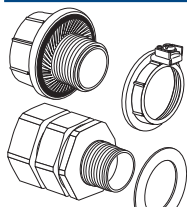


Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	8	8	4	4
3/4"	6	6	4	4
1"	5	5	-	-
1-1/4"	4	4	-	-
1-1/2"	-	-	-	-
2"	-	-	-	-
2-1/2"	-	-	-	-
3"	-	-	-	-

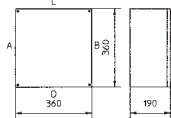
8125/.083



Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	16	16	10	10
3/4"	12	12	8	8
1"	10	10	4	4
1-1/4"	7	7	4	4
1-1/2"	5	5	3	3
2"	4	4	2	2
2-1/2"	3	3	2	2
3"	2	2	-	-

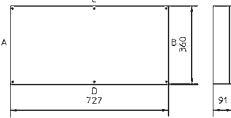


8125/.085



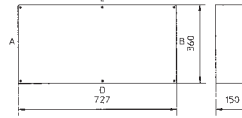
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	23	23	10	10
3/4"	17	17	8	8
1"	12	12	4	4
1-1/4"	9	9	4	4
1-1/2"	8	8	3	3
2"	5	5	2	2
2-1/2"	3	3	2	2
3"	3	3	-	-

8125/.091



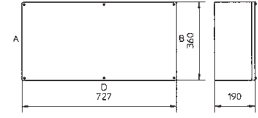
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	8	17	4	8
3/4"	6	14	4	8
1"	5	10	-	-
1-1/4"	4	8	-	-
1-1/2"	-	-	-	-
2"	-	-	-	-
2-1/2"	-	-	-	-
3"	-	-	-	-

8125/.093



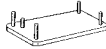
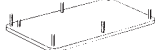


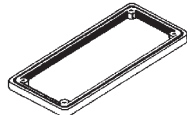
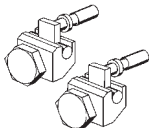
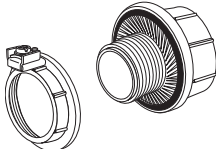
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	16	34	10	20
3/4"	12	28	8	16
1"	10	20	4	8
1-1/4"	7	12	4	8
1-1/2"	5	10	3	6
2"	4	8	2	4
2-1/2"	3	6	2	4
3"	2	5	-	-

8125/.095



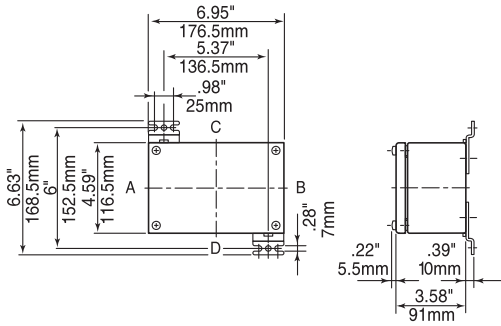
Size	w/o flanges		with flanges	
	A/B	C/D	A/B	C/D
1/2"	23	46	10	20
3/4"	17	33	8	16
1"	12	23	4	8
1-1/4"	9	20	4	8
1-1/2"	8	16	3	6
2"	5	11	2	4
2-1/2"	3	7	2	4
3"	3	6	-	-

PARTS AND ACCESSORIES

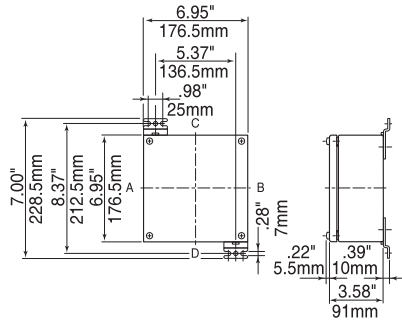
DESIGNATION	ILLUSTRATION	DESCRIPTION	CATALOG NUMBER
Flange Plate Size 1		5" x 2.7" x 0.2" (128 x 68 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures Sides 8125/•051 A/B/C/D 8125/•061 A/B/C/D 8125/•071 A/B/C/D 8125/•S71 C/D 8125/•081 A/B/C/D	81 250 01 49 0 81 259 02 49 0
Flange Plate Size 2		10.5" x 5" x 0.2" (266 x 128 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures Sides 8125/•063 C/D 8125/•073 C/D 8125/•083;/•085 A/B/C/D 8125/•093;/•095 A/B/C/D	81 250 02 49 0 81 259 04 49 0
Flange Plate Size 3		5" x 5" x 0.2" (126 x 126 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures Sides 8125/•073 A/B	81 250 03 49 0 81 259 06 49 0
Flange Plate Size 4		13.86" x 6.1" x 0.2" (352 x 155 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures Sides 8125/•085 A/B/C/D 8125/•095 A/B/C/D	81 250 04 49 0 81 259 08 49 0
Coupling Frames		Frame Sizes 0 2.68" x 2.68" (68 mm x 68 mm) 1 5.04" x 2.68" (128 mm x 68 mm) 2 10.47" x 4.96" (266 mm x 126 mm) 3 4.96" x 4.96" (126 mm x 126 mm) 4 13.86" x 6.1" (352 mm x 155 mm)	81 460 03 10 0 81 460 01 10 0 81 460 04 10 0 81 460 11 10 0 81 250 04 10 0
Cover Hinges		8125 for retrofitting to enclosure Kit consists of: 2 hinges 3 hinges	81 258 02 29 0 81 258 03 29 0
Entry Hubs			8166/11 mounted (see page C15 and C18) 8166/11 part only (see page J1)



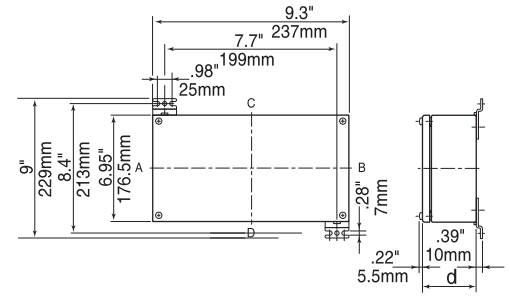
DIMENSIONS



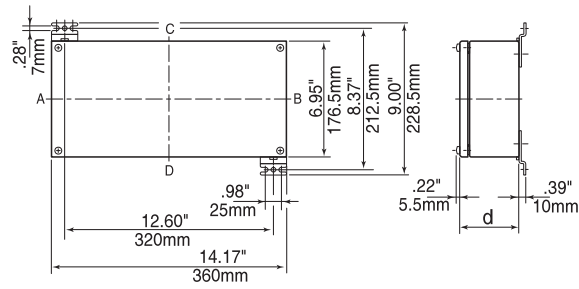
8125/041



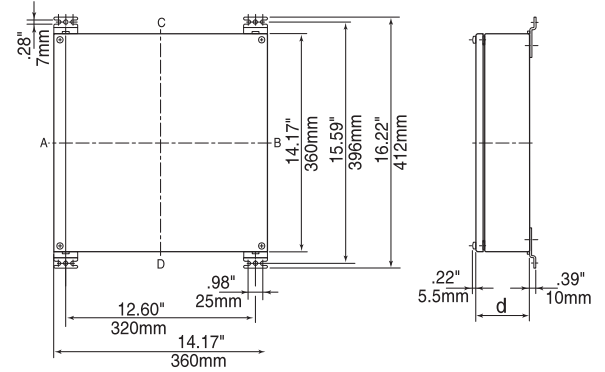
8125/051



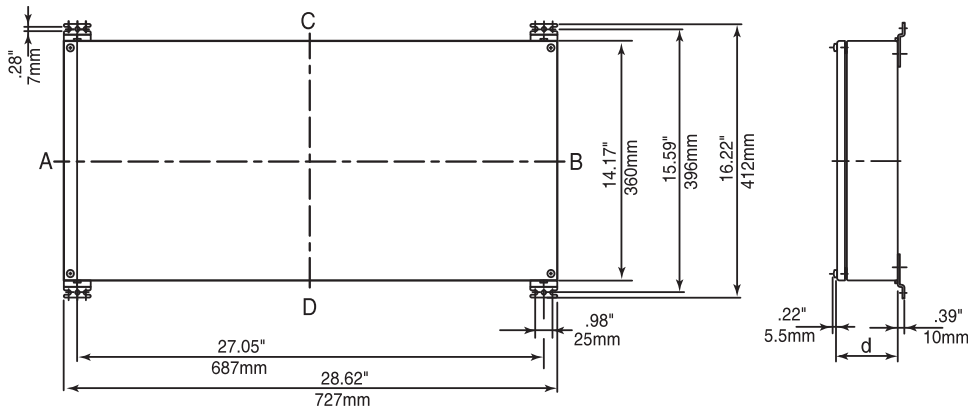
8125/060



8125/070



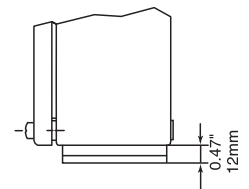
8125/080



8125/090

Available Enclosure Depth (d)				
Enclosure Sizes	1	3	5	6
	3.58" 91mm	5.91" 150mm	7.48" 190mm	9.06" 230mm
8125/040	x	-	-	-
8125/050	x	-	-	-
8125/060	x	x	-	-
8125/070	x	x	-	-
8125/080	x	x	x	x
8125/090	x	x	x	-

Flange option:
Add to overall
dimensions.





Electrical Capacity Tables

(only applicable for Class I, Zone 1)

In Class I, Zone 1 hazardous (classified) areas, heat produced by current in the wire inside an enclosure is a concern. Therefore, the continuous current of each current carrying conductor, the quantity and the size of the conductors inside a terminal enclosure needs to be limited. For each enclosure size, there is one table which shows the permissible values for that particular terminal enclosure.

How to use the electrical capacity tables:

- Determine the enclosure type you are dealing with.
- Reference the applicable electrical capacity table printed on pages C22-C25.



In the white area of the table the permitted numbers of current carrying conductors inside the enclosure are indicated (in and out counts two wires) depending on wire size and continuous current.



In the green shaded area of the table additional conductors/terminals are permitted up to the space limit of the enclosure. (see catalog pages C15 & C16)



In the area with red diagonal lines of the table no conductors/terminals are permitted.

Jumper links and ground wires can be neglected, in calculating the number of wires. These can be added whenever necessary.

Terminal Data

Terminal Type Phoenix	solid/stranded wire range	Max. voltage, V	Max. Amps	Torque lb-in
UT 2.5	26-12	600	20	5.3-7
UT 4	26-10	600	30	5.3-7
UT 6	24-8	600	50	13.3-16
UT 10	20-6	600	65	13.3-16
UT 16	16-4	600	85	22-26.5
UT 35	14-1/0	600	150	28-32.7
Terminal Type Weidmueller				
WDU 2.5	22-12	600	25	4.5-7.1
WDU 4	22-10	600	35	9
WDU 6	20-8	600	45	14.2
WDU 10	16-6	600	65	20.4
WDU 16	14-6	600	70	35
WDU 35	12-2	600	115	51
WDU 70	6-2/0	600	175	87
WDU 120	2-250	600	225	130
WFF 185	8-500	600	380	177
WFF 300	6-600	600	500	354
Terminal Type Wago				
281-691	28-12	600	20	N/A
281-991	28-12	600	20	N/A
282-691	24-10	600	30	N/A
283-691	24-6	600	65	N/A
284-691	24-8	600	50	N/A

EXAMPLE:

Enclosure type: 8125/1061-2DP-10021(see page C15).

The maximum physical quantity of terminals 30-10 AWG for this enclosure is 21.

Reference the table 8125/1061 on page C22, you will find that 18 wires 10 AWG with 30 Amps continuous current is the thermal limit of this enclosure.

Conclusion: To terminate 18 wires 9 terminals are needed, terminating two wires per terminal only. The remaining 12 terminals (21-9=12) can be used for low amperage circuits in the green shaded area of the table. Jumper links and ground wires can be neglected.

Mixed circuits of different wire sizes and current values are possible by applying the table values proportionally

i.e. enclosure table 8125/1061.

Wire Size AWG	Current Amps	Number of Current Carrying Conductors		Proportion
		Permissible	Actual	
12	20	24	12	50%
10	30	18	9	50%

100% max.

ELECTRICAL CAPACITY TABLES, APPLICABLE FOR CLASS I, ZONE 1 ONLY

Enclosure 8125/1041				
Current Amps	Wire size AWG			
	16	14	12	10
5				
10	29	57		
15		21	42	
20			21	47
25				24
30				15

Enclosure 8125/1051							
Current Amps	Wire size AWG						
	16	14	12	10	8	6	4
5							
10	32	64					
15		24	48				
20			24	53			
25				27			
30				17	38		
35					24		
40					17	44	
45						28	
50						20	
60							30
65							22
70							17

Enclosure 8125/1061							
Current Amps	Wire size AWG						
	16	14	12	10	8	6	4
5							
10	34	68					
15		26	51				
20			24	56			
25				29			
30				18	40		
35					25		
40					18	47	
45						29	
50						21	
60							32
65							24
70							18

Enclosure 8125/1063							
Current Amps	Wire size AWG						
	16	14	12	10	8	6	4
5							
10	45	89					
15		34	67				
20			33	74			
25				38			
30				24	53		
35					33		
40					23	62	
45						38	
50						28	
60							42
65							31
70							24

ELECTRICAL CAPACITY TABLES, APPLICABLE FOR CLASS I, ZONE 1 ONLY

Current Amps	Wire size AWG									
	16	14	12	10	8	6	4	3	2	1
5										
10	36	71								
15		27	53							
20			26	59						
25				30						
30				19	42					
35					27					
40					18	49				
45						31				
50						22				
60							33			
65						25	62			
70						19	35			
80							20	42		
85							16	30		
90							13	23		
100							9	16	29	
110								11	19	
115								9	16	
125										12

Current Amps	Wire size AWG											
	16	14	12	10	8	6	4	3	2	1	1/0	2/0
5												
10	46	91										
15		35	68									
20			34	75								
25				39								
30				24	54							
35					34							
40					24	63						
45						39						
50						28						
60							43					
65							32	80				
70							25	44				
80								26	54			
85								21	38			
90								17	30			
100								11	20	38		
110									14	25	84	
115									12	21	44	
125										15	28	
150											13	25
175												13

Current Amps	Wire size AWG/MCM														
	16	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250
5															
10	53	105													
15		40	78												
20			39	87											
25				45											
30				28	62										
35					39										
40					27	72									
45						45									
50						33									
60							50								
65							37	92							
70							29	51							
80								30	62						
85								25	44						
90								20	34						
100								13	23	44					
110								16	29	97					
115								13	24	51					
125									17	32					
150									15	29					
175										15	30				
200											16	35			
225												18	36		

Current Amps	Wire size AWG										
	16	14	12	10	8	6	4	3	2	1	1/0
5											
10	49	98									
15		37	73								
20			36	80							
25				41							
30				26	58						
35					37						
40					25	67					
45						42					
50						30					
60							46				
65							34	85			
70							27	47			
80								28	58		
85								23	41		
90								19	32		
100								12	22	40	
110									15	27	87
115									12	22	46
125										16	29

ELECTRICAL CAPACITY TABLES, APPLICABLE FOR CLASS I, ZONE 1 ONLY

Enclosure 8125/1083															
Current Amps	Wire size AWG/MCM														
	16	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250
5															
10	60	119													
15		45	89												
20			44	98											
25				50											
30				31	71										
35					45										
40					31	82									
45						51									
50						37									
60							56								
65							42	104							
70							32	58							
80								34	70						
85								28	50						
90								23	39						
100								15	26	49					
110								18	33	109					
115								15	27	58					
125									20	37					
150									17	33					
175										16	34				
200											18	40			
225												21	40		

Enclosure 8125/1085															
Current Amps	Wire size AWG/MCM														
	16	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250
5															
10	68	133													
15		51	100												
20			49	110											
25				57											
30				35	79										
35					50										
40					35	92									
45						57									
50						42									
60							63								
65							47	117							
70							36	65							
80								38	79						
85								31	56						
90								25	44						
100								17	30	55					
110									21	37	123				
115									17	31	65				
125										22	41				
150											19	37			
175												19	38		
200													20	45	
225														24	45

Enclosure 8125/1091											
Current Amps	Wire size AWG										
	16	14	12	10	8	6	4	3	2	1	1/0
5											
10	57	113									
15		43	84								
20			42	93							
25				48							
30				30	67						
35					42						
40					29	78					
45						49					
50						35					
60							53				
65							40	99			
70							31	55			
80								33	67		
85								26	47		
90								22	37		
100								14	25	47	
110									17	31	100
115									14	26	53
125										19	33
150											15

ELECTRICAL CAPACITY TABLES, APPLICABLE FOR CLASS I, ZONE 1 ONLY

Enclosure 8125/1093																			
Current Amps	Wire size AWG/MCM																		
	16	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	400	500	600
5																			
10	68	134																	
15	51	100																	
20	49	110																	
25		57																	
30		35	79																
35			50																
40			35	92															
45				57															
50				42															
60					63														
65					47	117													
70					36	65													
80						38	79												
85						31	56												
90						26	44												
100						17	30	56											
110						21	37	123											
115						17	31	65											
125							22	41											
150							19	37											
175								19	38										
200									20	45									
225										24	45								
250										24	60								
300											17								
350												22							
380													37						
400																		34	
450																			27

Enclosure 8125/1095																			
Current Amps	Wire size AWG/MCM																		
	16	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	400	500	600
5																			
10	75	147																	
15	56	110																	
20		54	121																
25			62																
30			39	87															
35				55															
40				38	101														
45					63														
50					46														
60						69													
65						52	129												
70						40	72												
80						42	87												
85						34	61												
90						28	48												
100						19	33	61											
110							23	40	135										
115							19	34	72										
125								25	45										
150								21	41										
175									20	42									
200										22	49								
225											26	50							
250												27	66						
300													19						
350														24					
380																		41	
400																			36
450																			29