

Plastic Boxes

ARANI™

ED-PGB-SLH-1
ED-PGB-SLH-2

ED-PGB-SLH-3
ED-PGB-SLH-5

ED-PWB-SLH-4
ED-PWB-SLH-6

Date:	Project:
Prepared for:	Type:
Comments:	



Common Specifications

Material : Polycarbonate Plastic

Clamp Type : Nonmetallic sheathed cable

Non Gangable



Ordering Code	Dimensions	Volume	Cable Entries	Fire Rating
ED-PGB-SLH-1	3-3/4" x 2-1/4" x 2-3/4"	18 cu in	4 Entries	2 Hours
ED-PGB-SLH-2	3-3/4" x 4" x 2-3/4"	33 cu in	8 Entries	2 Hours
ED-PGB-SLH-3	3-3/4" x 5-3/4" x 2-3/4"	48 cu in	12 Entries	2 Hours
ED-PGB-SLH-5	3-3/4" x 7-5/8" x 2-3/4"	67 cu in	16 Entries	2 Hours
ED-PWB-SLH-4	Ø 4" x 2-3/4" deep	26 cu in	4 Entries	2 Hours
ED-PWB-SLH-6	4-11/16" x 4-11/16" x 3"	61 cu in	4 Entries	2 Hours



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Vapour Tight Plastic Boxes

ARANI™

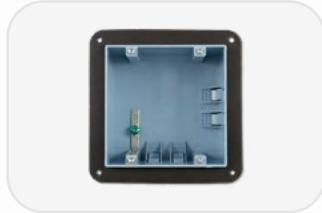
ED-PGB-SLH-1A ED-PGB-SLH-3A ED-PWB-SLH-4A
 ED-PGB-SLH-2A ED-PGB-SLH-5A ED-PWB-SLH-6A

Date:	Project:
Prepared for:	Type:
Comments:	



Common Specifications

Material : Polycarbonate Plastic
 Clamp Type : Nonmetallic sheathed cable
 Non Gangable
 Vapour Tight (Foam Gasket)



Ordering Code	Dimensions	Volume	Cable Entries	Fire Rating
ED-PGB-SLH-1A	3-3/4" x 2-1/4" x 2-3/4"	18 cu in	4 Entries	2 Hours
ED-PGB-SLH-2A	3-3/4" x 4" x 2-3/4"	33 cu in	8 Entries	2 Hours
ED-PGB-SLH-3A	3-3/4" x 5-3/4" x 2-3/4"	48 cu in	12 Entries	2 Hours
ED-PGB-SLH-5A	3-3/4" x 7-5/8" x 2-3/4"	67 cu in	16 Entries	2 Hours
ED-PWB-SLH-4A	Ø 4" x 2-3/4" deep	26 cu in	4 Entries	2 Hours
ED-PWB-SLH-6A	4-11/16" x 4-11/16" x 3"	61 cu in	4 Entries	2 Hours



Plastic Box Extensions

ARANI™

ED-PEX-SLK-1
ED-PEX-SLK-2

ED-PEX-SLK-3
ED-PEX-SLK-4

ED-PEX-SLK-5

Date:	Project:
Prepared for:	Type:
Comments:	



Common Specifications

Material : Polycarbonate Plastic
Non Gangable

Ordering Code	ED-PEX-SLK-1	ED-PEX-SLK-2	ED-PEX-SLK-3	ED-PEX-SLK-4	ED-PEX-SLK-5
Dimensions	Can extend box up to 1-1/2"				

Electrical Box Lead Capacity by Number and Wire Size

The Canadian Electrical Code states that the allowable number of conductors within an electrical box is based on several considerations, including:

- The overall internal volume of the box assembly (including the box, any extensions, and raised covers)
- The American Wire Gauge (AWG) size of the insulated conductors
- Whether fixture studs or hiccies are present
- The quantity of wire connectors installed in the box
- The existence and thickness of flush-mounted devices installed on a single strap

The table below shows the maximum permitted number of conductors for a box that contains zero or one wire connector and does not include a fixture stud, hickey, or flush-mounted device.

* If a single-strap device exceeds 1 in. in thickness, the usable box volume must be decreased by 5 cu. in. multiplied by the device thickness.

** The maximum conductor quantities listed in the table must be adjusted downward in each of the following situations:

- Subtract one conductor when the box includes one or more fixture studs or hiccies
- Subtract one conductor for every additional set of wire connectors (one conductor for 2-3 connectors, two conductors for 4-5 connectors, etc.)
- Subtract two conductors for each single-strap flush-mounted device with a thickness of up to 1 in.

Unit conversions:

- 1 cu. in. = 16.4 millilitres = 16.4 cubic centimetres
- 1 cubic centimetre = 1 millilitre = 0.061 cu. in.

Ordering Code	Volume*	Number of Conductors**			
		14 AWG	12 AWG	10 AWG	8 AWG
ED-PGB-SLH-1	18 cu in	12	10	8	6
ED-PGB-SLH-2	33 cu in	22	18	14	12
ED-PGB-SLH-3	48 cu in	33	28	22	18
ED-PGB-SLH-5	67 cu in	34	29	23	18
ED-PWB-SLH-4	26 cu in	18	15	12	9
ED-PWB-SLH-6	61 cu in	34	29	23	18
ED-PGB-SLH-1A	18 cu in	12	10	8	6
ED-PGB-SLH-2A	33 cu in	22	18	14	12
ED-PGB-SLH-3A	48 cu in	33	28	22	18
ED-PGB-SLH-5A	67 cu in	34	29	23	18
ED-PWB-SLH-4A	26 cu in	18	15	12	9
ED-PWB-SLH-6A	61 cu in	34	29	23	18

Conductor Space for Electrical Boxes

AWG	cu. in.	cu. cm.
14	1.50	24.6
12	1.75	28.7
10	2.25	36.9
8	2.75	45.1
6	4.50	73.7



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