

POWR-BLOKS™

Distribution/Splicer Blocks and Covers



Description

POWR-BLOKS™ power distribution blocks offer a safe, convenient way of splicing cables, providing a fixed junction tap-off point or splitting primary power into secondary circuits. Lx2xxx-DIN series offers integral DIN-Rail mount and an optional hinged safety cover.

Optional power distribution block covers provide protection against accidental shorting between poles caused by loose wires, tools, or other conductive material. They also protect personnel from accidentally contacting energized connectors. To order protective covers, match the number of poles for the block to the cover.

Hinged Plastic Covers

CATALOG/ ORDERING NUMBER	FOR USE WITH DISTRIBUTION/SPLICER BLOCK NO.	POLES
OLCH1321Z	LD2xxx-1DIN / LS2xxx-1DIN	1
OLCH1322Z	LD2xxx-2DIN / LS2xxx-2DIN	2
OLCH1323Z	LD2xxx-3DIN / LS2xxx-3DIN	3

Note: Optional hinged covers snap on to blocks.

Clear Plastic Covers

CATALOG/ ORDERING NUMBER	FOR USE WITH DISTRIBUTION/SPLICER BLOCK NO.	POLES
LPBC02	LD0xxx-2 / LS0xxx-2	2
LPBC03	LD0xxx-3 / LS0xxx-3	3
LPBC21	LD2xxx-1 / LS2xxx-1	1
LPBC22	LD2xxx-2 / LS2xxx-2	2
LPBC23	LD2xxx-3 / LS2xxx-3	3
LPBC31	LD3xxx-1 / LS3xxx-1	1
LPBC32	LD3xxx-2 / LS3xxx-2	2
LPBC33	LD3xxx-3 / LS3xxx-3	3
LPBC41	LD4xxx-1 / LS4xxx-1	1
LPBC42	LD4xxx-2 / LS4xxx-2	2
LPBC43	LD4xxx-3 / LS4xxx-3	3
LPBC51	LD5xxx-1 / LS5xxx-1	1
LPBC52	LD5xxx-2 / LS5xxx-2	2
LPBC53	LD5xxx-3 / LS5xxx-3	3

Note: For installation of optional clear plastic covers, use the screws provided with each cover.

Applications

Typical applications include heating, air conditioning and refrigeration systems, elevator systems, material handling equipment, control panels, motor controls, switchgear, and anywhere power needs to be distributed to more than one load.

Connectors

Box lug connectors are designed for use with a single, solid or class B or C stranded conductor. Use of more than one conductor per connector opening or use of extra-flexible, fine-stranded conductors, such as welding cable, voids the UL Listing and may cause overheating. Manufacturers of cable terminations can furnish crimp-on sleeves for fine stranded conductors which permit these conductors to be used with box lugs.

Ampere Ratings

The ampere rating per pole for power distribution blocks is based on the line ampacity of 75°C insulated conductors per NEC® Table 310.16. If 60°C insulated conductors are used, load must not exceed the ampacity of 60°C conductors. Use of conductors rated in excess of 75°C is permitted (for example 90°C), however, load must not exceed the ampacity of 75°C conductors.

Specifications

Voltage Rating:	600 V
Current Rating:	Based on NEC Table 310.16, using 75°C copper wire
Material:	Phenolic rated at 150°C and Thermoplastic rated at 125°C (LD1400 and LS1300 series only)
Connector:	Standard: Highly conductive aluminum, tin plated Copper: Highly conductive copper, tin plated
Flammability Rating:	UL94 V-0
Approvals:	UL Recognized (File No. E171395) CSA Certified (File No. LR700111)

Ordering Information

See Selection Guide on pages 2-4.

Note: Aluminum blocks can use copper or aluminum wire;
copper blocks can only use copper wire.

Web Resources

For a digital copy of this document, visit:
www.littelfuse.com/powr-bloks

For a dimension, CAD and 3-D drawings visit:
www.littelfuse.com/LD
www.littelfuse.com/LS