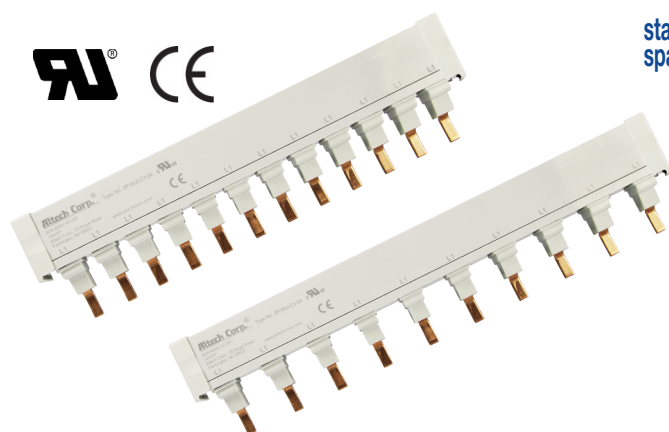
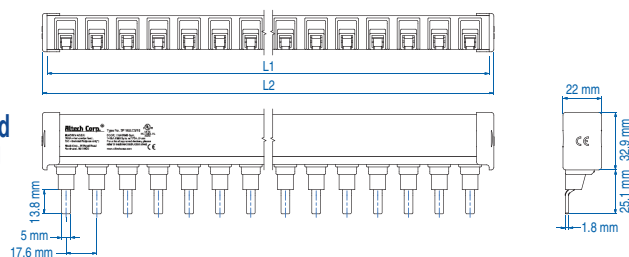


1 PHASE BUSBAR

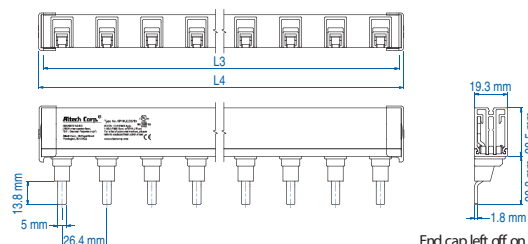
18mm² (80A) and 25mm² (100A)



standard
spacing



1/2 pole
spacing



End cap left off on purpose
for better internal visibility.

Standard Spacing

18mm² 1 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L1	w - Endcap L2
1P18ULC3/6	6	112.2	115.2
1P18ULC3/9	9	165.0	168.0
1P18ULC3/12	12	217.8	220.8
1P18ULC3/15	15	270.6	273.6
1P18ULC3/18	18	323.4	326.4
1P18ULC3/24	24	429.0	432.0
1P18ULC3/36	36	640.2	643.2
1P18ULC3/48	48	851.4	854.4
1P18ULC3/57	57	1009.8	1012.8

25mm² 1 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L1	w - Endcap L2
1P25ULC3/6	6	112.2	115.2
1P25ULC3/9	9	165.0	168.0
1P25ULC3/12	12	217.8	220.8
1P25ULC3/15	15	270.6	273.6
1P25ULC3/18	18	323.4	326.4
1P25ULC3/24	24	429.0	432.0
1P25ULC3/36	36	640.2	643.2
1P25ULC3/48	48	851.4	854.4
1P25ULC3/57	57	1009.8	1012.8

1/2 Pole Auxiliary Spacing

18mm² 1 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L3	w - Endcap L4
1P18ULC3H/6	6	156.2	159.2
1P18ULC3H/9	9	235.4	238.4
1P18ULC3H/12	12	314.6	317.6
1P18ULC3H/15	15	393.8	396.8
1P18ULC3H/18	18	473.0	476.0
1P18ULC3H/24	24	631.4	634.4
1P18ULC3H/30	30	789.8	792.8
1P18ULC3H/36	36	948.2	951.2
1P18ULC3H/39	39	1027.4	1030.4

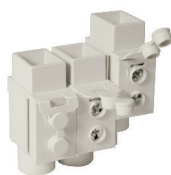
25mm² 1 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L3	w - Endcap L4
1P25ULC3H/6	6	156.2	159.2
1P25ULC3H/9	9	235.4	238.4
1P25ULC3H/12	12	314.6	317.6
1P25ULC3H/15	15	393.8	396.8
1P25ULC3H/18	18	473.0	476.0
1P25ULC3H/24	24	631.4	634.4
1P25ULC3H/30	30	789.8	792.8
1P25ULC3H/36	36	948.2	951.2
1P25ULC3H/39	39	1027.4	1030.4

*Other pin configurations are available. Please contact Altech, a minimum order quantity may be required.



Type/Cat. No: **P35ULCT**
Description: Power Feed Lug



Type/Cat. No: **P50ULB**
Description: Modular Direct Power Feed

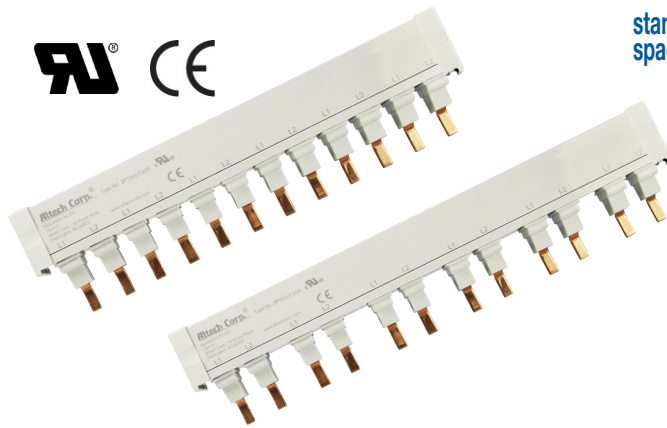
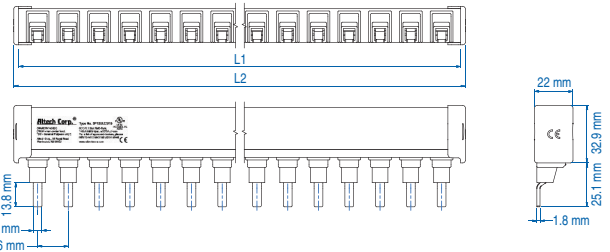
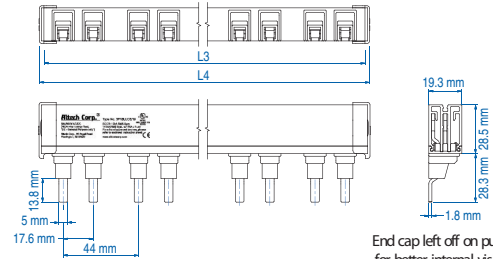


Type/Cat. No: **BRULC** (3 per strip)
Description: Insulation Cap



Type/Cat. No: **18/25CAP3PULC**
Description: Endcap

2 PHASE BUSBAR

18mm² (80A) and 25mm² (100A)standard
spacing1/2 pole
spacingEnd cap left off on purpose
for better internal visibility.

Standard Spacing

18mm² 2 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L1	w - Endcap L2
2P18ULC3/8	8	147.4	150.4
2P18ULC3/12	12	217.8	220.8
2P18ULC3/18	18	323.4	326.4
2P18ULC3/24	24	429.0	432.0
2P18ULC3/30	30	534.6	537.6
2P18ULC3/36	36	640.2	643.2
2P18ULC3/42	42	745.8	748.8
2P18ULC3/48	48	851.4	854.4
2P18ULC3/56	56	992.2	995.2

25mm² 2 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L1	w - Endcap L2
2P25ULC3/8	8	147.4	150.4
2P25ULC3/12	12	217.8	220.8
2P25ULC3/18	18	323.4	326.4
2P25ULC3/24	24	429.0	432.0
2P25ULC3/30	30	534.6	537.6
2P25ULC3/38	38	675.4	678.4
2P25ULC3/42	42	745.8	748.8
2P25ULC3/48	48	851.4	854.4
2P25ULC3/56	56	992.2	995.2

1/2 Pole Auxiliary Spacing

18mm² 2 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L3	w - Endcap L4
2P18ULC3H/8	8	204.6	207.6
2P18ULC3H/12	12	292.6	295.6
2P18ULC3H/18	18	424.6	427.6
2P18ULC3H/24	24	556.6	559.6
2P18ULC3H/30	30	688.6	691.6
2P18ULC3H/36	36	820.6	823.6
2P18ULC3H/42	42	952.6	955.6
2P18ULC3H/48	48	1084.6	1087.6

25mm² 2 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L3	w - Endcap L4
2P25ULC3H/8	8	204.6	207.6
2P25ULC3H/12	12	292.6	295.6
2P25ULC3H/18	18	424.6	427.6
2P25ULC3H/24	24	556.6	559.6
2P25ULC3H/30	30	688.6	691.6
2P25ULC3H/36	36	820.6	823.6
2P25ULC3H/42	42	952.6	955.6
2P25ULC3H/48	48	1084.6	1087.6

*Other pin configurations are available. Please contact Altech, a minimal order quantity may be required.



Type/Cat. No: **P35ULCT**
Description: Power Feed Lug



Type/Cat. No: **P50ULB**
Description: Modular Direct Power Feed



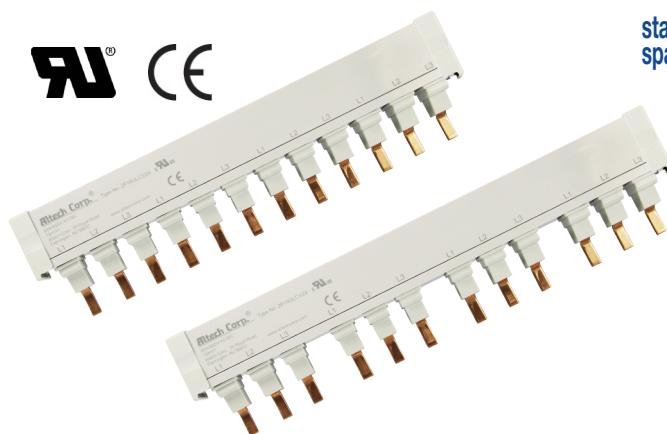
Type/Cat. No: **BRULC** (3 per strip)
Description: Insulation Cap



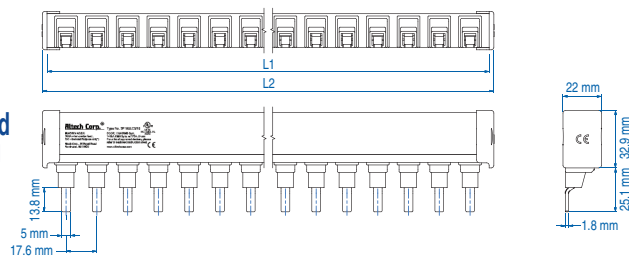
Type/Cat. No: **18/25CAP3PULC**
Description: Endcap

3 PHASE BUSBAR

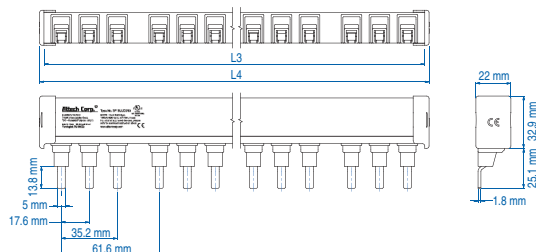
18mm² (80A) and 25mm² (100A)



standard
spacing



1/2 pole
spacing



Standard Spacing

18mm² 3 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L1	w - Endcap L2
3P18ULC3/6	6	112.2	115.2
3P18ULC3/9	9	165.0	168.0
3P18ULC3/12	12	217.8	220.8
3P18ULC3/15	15	270.6	273.6
3P18ULC3/18	18	323.4	326.4
3P18ULC3/24	24	429.0	432.0
3P18ULC3/36	36	640.2	643.2
3P18ULC3/48	48	851.4	854.4
3P18ULC3/57	57	1009.8	1012.8

25mm² 3 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L1	w - Endcap L2
3P25ULC3/6	6	112.2	115.2
3P25ULC3/9	9	165.0	168.0
3P25ULC3/12	12	217.8	220.8
3P25ULC3/15	15	270.6	273.6
3P25ULC3/18	18	323.4	326.4
3P25ULC3/24	24	429.0	432.0
3P25ULC3/36	36	640.2	643.2
3P25ULC3/48	48	851.4	854.4
3P25ULC3/57	57	1009.8	1012.8

1/2 Pole Auxiliary Switch Spacing

18mm² 3 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L3	w - Endcap L4
3P18ULC3H/6	6	121	124
3P18ULC3H/9	9	182.6	185.6
3P18ULC3H/12	12	244.2	247.2
3P18ULC3H/15	15	305.8	308.8
3P18ULC3H/18	18	367.4	370.4
3P18ULC3H/24	24	490.6	493.6
3P18ULC3H/36	36	737	740
3P18ULC3H/48	48	983.4	986.4
3P18ULC3H/54	54	1106.6	1109.6

25mm² 3 phase

Type / Cat. No.	No. of Pins *	Length (mm)	
		w/o - Endcap L3	w - Endcap L4
3P25ULC3H/6	6	121	124
3P25ULC3H/9	9	182.6	185.6
3P25ULC3H/12	12	244.2	247.2
3P25ULC3H/15	15	305.8	308.8
3P25ULC3H/18	18	367.4	370.4
3P25ULC3H/24	24	490.6	493.6
3P25ULC3H/36	36	737	740
3P25ULC3H/48	48	983.4	986.4
3P25ULC3H/54	54	1106.6	1109.6

*Other pin configurations are available. Please contact Altech, a minimum order quantity may be required.



Type/Cat. No: **P35ULCT**
Description: Power Feed Lug



Type/Cat. No: **P50ULB**
Description: Modular Direct Power Feed



Type/Cat. No: **BRULC** (3 per strip)
Description: Insulation Cap



Type/Cat. No: **18/25CAP3PULC**
Description: Endcap

Power Feed Devices

Easy connection of power supply wires to the busbar/MCB. Power Feed Devices ensure permanent connection.

Power Feed Lug



UL489 listed
E305318

Modular Direct Power Feed

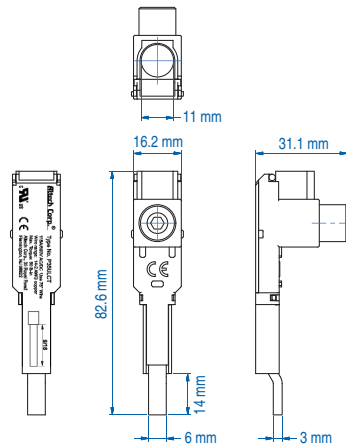


UL489 listed
E305318

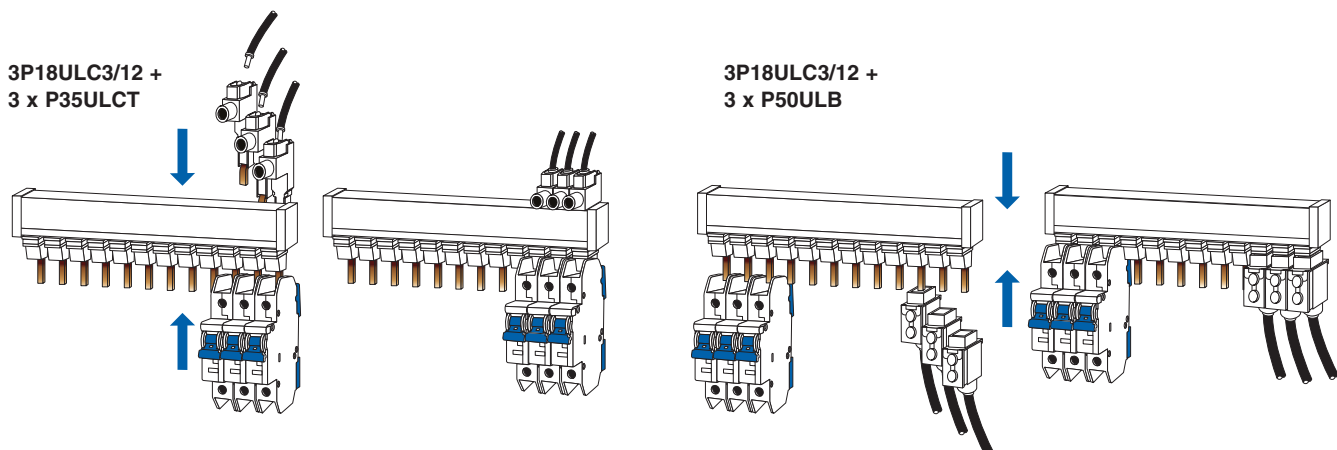


Type/Cat. No.	P35ULCT	P50ULB
Electrical Ratings	115A/600V AC/DC	115A/600V AC/DC
Wire Range	14-2 AWG Cu	14-1 AWG Cu
Wire Temperature Rating	75°C	75°C
Required Torque	4Nm (35.4 lb. in.)	Cable Side 3.5Nm/31 lb. in. (14-6AWG) Busbar Side 4Nm/35.4 lb. in. (4-1AWG) 2.5Nm/22 lb. in.
Material of Lug	Brass	Brass
Insulation Material	Polyamide	Polyamide
For use with	UL489 1, 2, 3 phase Busbar	UL489 1, 2, 3 phase Busbar

Dimensions



Assembly Instructions



Accessories

Insulation Caps



Type/Cat. No: **BRULC** (3 per strip)
Description: Insulation Cap

Endcaps



Type/Cat. No: **18/25CAP3PULC**
Description: Endcap

Altech UL489 Busbar Systems

Configuration and Assembly of UL489 Busbars

UL489 Busbars are available in 3 different Pin Configurations per Phase, (6, 12 and 18 Pins).

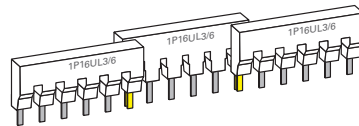
The UL489 busbar cannot be cut, since the creepage and clearance distance requirements from UL are too stringent. Therefore, to obtain the desired No. of Pins, Busbar-Pins can be overlapped as explained below:

- 1) Busbars are overlapped backwards to each other. Both Pins of each Busbar fit together in the terminals of the Miniature Circuit Breaker.
- 2) The Number of overlapping Pins of 2 Busbar must be a multiplier of the Number of Phases to keep existing Phase sequence. (Can be overlapped by more than the number of phases).
- 3) Any available combination of the 3 different Pin configurations is possible.
- 4) In most cases there is more than 1 combination possible.
- 5) For more possible configurations see Busbar Selection Table on page 21.

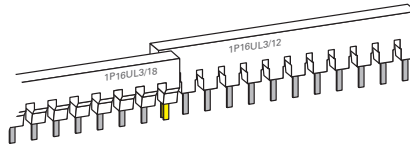
Configuration Examples*

1 Phase

16 Pins: 3 x 1P16UL3/6

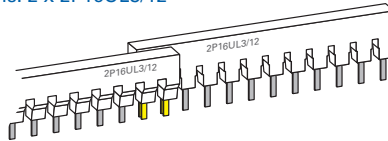


29 Pins: 1 x 1P16UL3/12 + 1 x 1P16UL3/18

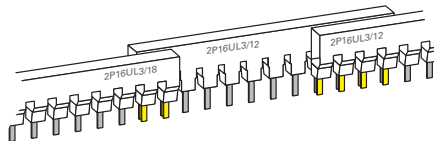


2 Phase

22 Pins: 2 x 2P16UL3/12

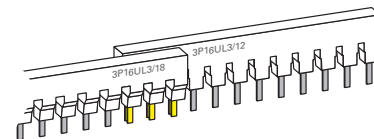


36 Pins: 2 x 2P16UL3/12 + 1 x 2P16UL3/18

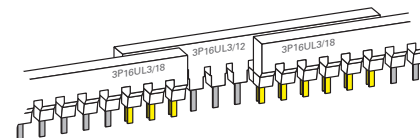


3 Phase

27 Pins: 1 x 3P16UL3/12 + 1 x 3P16UL3/18



39 Pins: 1 x 3P16UL3/12 + 2 x 3P16UL3/18



*For Questions, other configurations and detailed information please contact Altech Corp.