

Technical Datasheet

Heavy Duty Cut Out - Triple Pole and Neutral, 200A, 400A and 600A Rated

Overview

All insulated Heavy Duty Cut-out with three in-line BS 88 J type slotted tag fuse links for indoor installation.



200A HDCO with cable trough

400A HDCO with cable trough

Features

- Tough fully insulated construction
- Additional detachable two part cable trough can be mounted to the outgoing side of unit
- Troughs provide choice of three cable entry positions via PVC grommets or brass glands (not supplied)
- 600A trough can be fitted to 400A unit for increased cable core separation
- Incoming terminations via range taking mechanical shear off connectors or compression lugs
- Outgoing terminations via range taking mechanical Leader clamps or compression lugs
- VT connection point provided on outgoing fuse stalk
- Sealing wire facility
- Removable N/E link for use with CNE and SNE systems
- Removable clear internal insulation shields to incoming and outgoing phase and neutral/earth terminals
- All external cover screws are captivated
- Keyhole fixings on uppermost body attachment points (recommended size M6 x 50mm)
- Two external M12 earth studs (one pre-drilled to provide wire sealing facility)

Note: The equipment described in this data sheet must be installed by suitably qualified personnel according to applicable Local / National Wiring regulations currently in force.

Construction

- Enclosure (including cable trough)..... Glass reinforced polyamide 6
- Internal busbars..... Electro-tin plated copper
- Fuse link handles..... Polybutylene terephthalate (PBT)
- Clear insulation shields..... Polycarbonate
- Flexible cable grommets..... Synthetic nitrile rubber
- Optional incoming fuse stem shields..... PVC

Performance

- Rated voltage..... 415V a.c.
- Busbar rating..... According to rating of unit
- Supply frequency..... 50-60Hz
- Flammability rating..... UL94 V2 self-extinguishing 30 seconds at 960° C

Operator Protection

- In service condition, covers and fuseholder in place..... IP3X
- Upper outgoing cover removed..... IP2X

Product Characteristics

- Fuse centres 200A/400A..... 83mm
- Fuse centres 600A..... 92mm
- Cable csa 200A (incoming)..... 35-95mm²
(outgoing)..... 25-150mm²
- Cable csa 400A (incoming)..... 70-185mm²
(outgoing)..... 95-300mm²
- Cable csa 600A (incoming)..... 95-300mm²
(outgoing)..... 95-300mm²

Outgoing terminal torques

(Tyco Leader clamps)

- 200A unit (6mm hex drive)..... 12-15Nm
- 400/600A units (6mm hex drive)..... 22-25Nm

Conformity to Standards

- Conforms to BSEN 60439-1
- Complies with ENATS 37-2, Issue 3/4
- IP rating to BSEN 60529

Dimensions

200A frame size (inc trough)

- Height.....480mm
- Width.....402mm
- Depth.....190mm

400A frame size (inc trough)

- Height.....634mm
- Width.....549mm
- Depth.....250mm

600A frame size (inc trough)

- Height.....736mm
- Width.....549mm
- Depth.....250mm

Fixing screw hole diameters

- 200A HDCO and trough..... M6
- 400/600A HDCO and trough..... M8

Weight

200A frame size (inc trough)

- Net weight (excluding fuses)..... 6.95kg

400A frame size (inc trough)

- Net weight (excluding fuses)..... 11.6kg

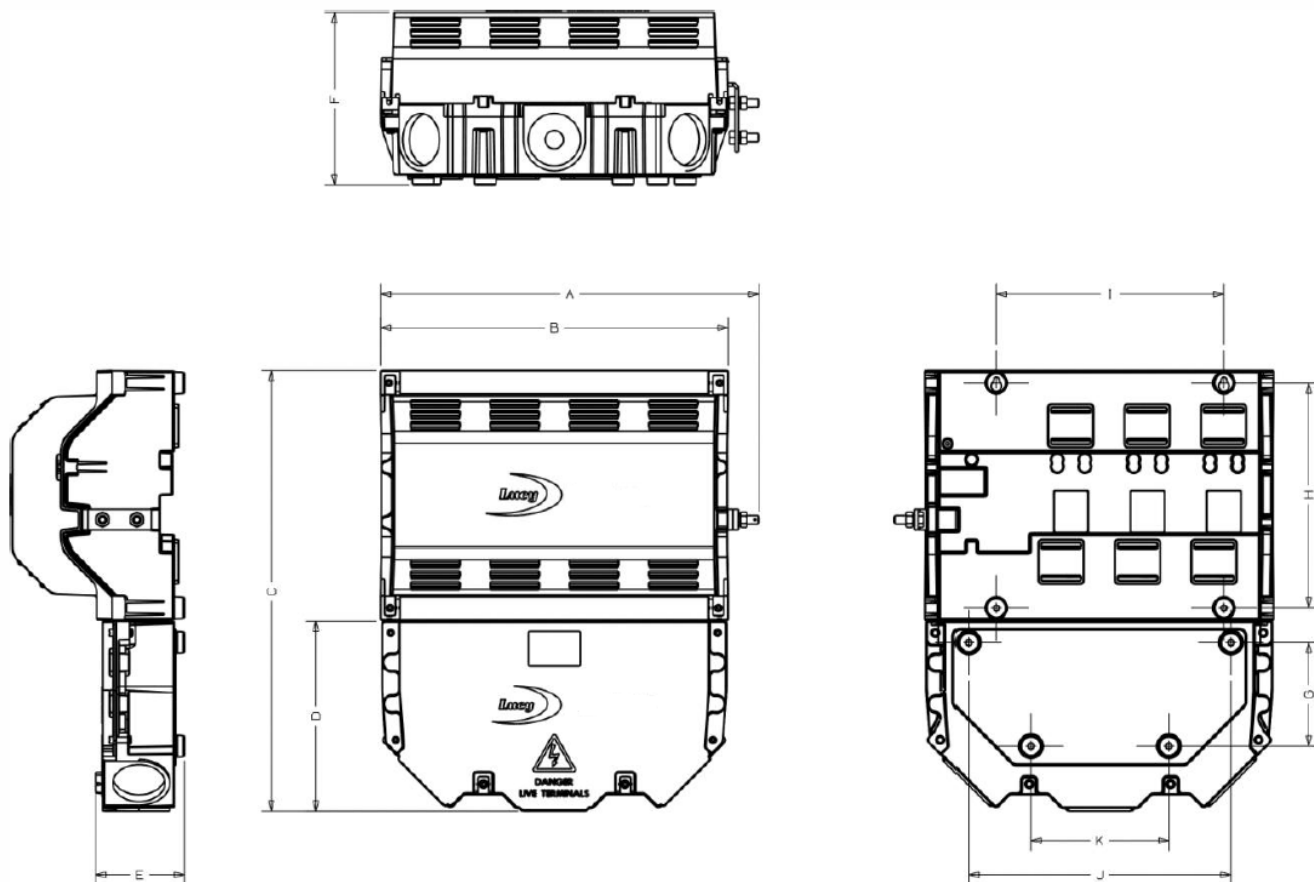
600A frame size (inc trough)

- Net weight (excluding fuses)..... 13.6kg

General arrangement diagrams

(dims in mm)

Trough shown installed in lower position but can also be installed in upper position



							Fixing centre spacing				
	A	B	C	D	E	F	G	H	I	J	K
200A	402	356	480	214	122	190	90	230	220	240	140
400A	549	504	736	275	129	250	150	320	330	380	200
600A	549	504	736	374	129	250	250	320	330	380	200

Note: 600A trough (374 x 504mm) can be fitted to 400A unit for increased wiring space.

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