

# Technical Data Sheet

## Loose Panel Isolator Range

CDPD195  
Issue 1

### Compact Range

Craig & Derricott has ranges of compact control panel isolation equipment for panel mounting ranging from 25A to 200A. All come supplied with operating handle and a standard length shaft.


A compact range of Switch-Disconnectors with the capacity to add auxiliary and neutral block options to the basic load break switch block.

#### Features

- IP2X terminal protection.
- Door interlock handles with override facility
- DIN rail or base mounting.
- Add-on auxiliary/neutral blocks.

The Cat. No.s below include:

- On-load AC23A Switch-disconnector.
- 100mm standard length shaft assembly.
- IP65 minimum door interlock handle.
- Incoming terminal covers (A3 frame sizes only).

| Image  | Rating | Format    | Cat. No.  | Frame Size |
|--|--------|-----------|-----------|------------|
|  | 25A    | 3P        | SD00253B  | A0         |
|  |        | 6P        | SD00256B  | A0-A0      |
|  | 32A    | 3P        | SD00323B  | A0         |
|  |        | 6P        | SD00403B  | A0         |
|  | 40A    | 3P        | SD00403B  | A0         |
|  |        | 6P        | SD00406B  | A1-A1      |
|  | 63A    | 3P        | SD00633B  | A1         |
|  |        | 6P        | SD00636B  | A1-A1      |
|  | 80A    | 3P        | SD00803B  | A1         |
|  | 100A   | 3P        | SDC01003B | A2         |
|  |        | 6P        | SDC01006B | A2-A2      |
|  | 125A   | 3P        | SDC01253B | A2         |
|  |        | 6P        | SDC01256B | A2-A2      |
|  | 160A   | 3P        | SDC01603B | A2         |
| 6P   |        | SDC01606B | A2-A2     |            |
| 200A   | 3P     | SDC02003B | A3        |            |

'B' = Black Handle. For Red Handle, replace B with R in the Cat. No. e.g. SD00253R

### Accessories

All of the accessories listed below can be retrofitted. One block can be fitted either side of the main assembly on all of the 3 pole Switch-Disconnectors interiors.

| Image   | Description                           | Cat. No. |
|---|---------------------------------------|----------|
|  | Auxiliary Contact- 2 Early Break      | SAUX2EB  |
|   | Auxiliary Contact- 1 N/O + 1 N/C      | SAUXCO   |
|  | 25A- 40A Compact Neutral (Unswitched) | SNLC40   |
|  | 63A Neutral (Unswitched)              | SNL63    |
|   | 80A Neutral (Unswitched)              | SNL80    |
|   | 100A Neutral (Unswitched)             | SNL100   |
|   | 125A Neutral (Unswitched)             | SNL125   |
|   | 160A Neutral (Unswitched)             | SNL160   |
|   | 200A Neutral (Unswitched)             | SNL200   |
|  | 25A Neutral (Switched)                | SSP25    |
|   | 40A Neutral (Switched)                | SSP40    |
|   | 63A Neutral (Switched)                | SSP63    |

| Image  | Description  | Cat. No. |
|--|--|----------|
|   | 80A Neutral (Switched)   | SSP80    |
|  | 100A Neutral (Switched)  | SSP100   |
|  | 125A Neutral (Switched)  | SSP125   |
|  | 160A Neutral (Switched)  | SSP160   |
|  | 200A Neutral (Switched)  | SSP200   |
|  | 6mm <sup>2</sup> 200mm extendable shaft for A0 & A1 frame size | SSH2     |
|  | 8mm <sup>2</sup> 200mm extendable shaft for A2 & A3 frame size | SSH17    |
|  | Handle assembly supplied with the A0 & A1 frame sizes          | SDH1/BLK |
|  | Handle assembly supplied with the A2 & A3 frame sizes          | SDH3/BLK |

# Technical Data Sheet

## Loose Panel Isolator Range

CDPD195  
Issue 1

### Standard Range


A robust range of load break switches to ensure simple installation in applications such as power distribution boards. The compact design also suits OEM's and stand alone enclosure installations. A range of accessories extends the versatility.

#### Features:-

- On-load AC23A ratings.
- Four frame sizes covering 100A- 1250A.
- Direct lug connections onto plated Copper palms.
- Windows for contact inspection
- Supplied as either 3 or 4 pole versions.
- IP65 sealing door interlocking handles.
- Internal locking feature.

#### The Cat. No.s below include:-




- On-load AC23A Switch-disconnector.
- 200mm standard length shaft assembly.
- IP65 door interlock handle..

| Image  | Rating | Format   | Cat. No. | Frame Size |
|--|--------|----------|----------|------------|
|  | 100A   | 3P       | SD01003B | B1         |
|  |        | 4P       | SD01004B |            |
|  | 125A   | 3P       | SD01253B | B1         |
|  |        | 4P       | SD01254B |            |
|  | 160A   | 3P       | SD01603B | B1         |
|  |        | 4P       | SD01604B |            |
|  | 200A   | 3P       | SD02003B | B2         |
|  |        | 4P       | SD02004B |            |
|  | 250A   | 3P       | SD02503B | B2         |
|  |        | 4P       | SD02504B |            |
|  | 400A   | 3P       | SD04003B | B3         |
|  |        | 4P       | SD04004B |            |
|  | 630A   | 3P       | SD06303B | B3         |
|  |        | 4P       | SD06304B |            |
|  | 800A   | 3P       | SD08003B | B3         |
|  |        | 4P       | SD08004B |            |
| 1000A  | 3P     | SD10003B | B4       |            |
|  | 4P     | SD10004B |          |            |
| 1250A  | 3P     | SD12503B | B4       |            |
|  | 4P     | SD12504B |          |            |

'B' = Black Handle. For Red Handle, replace B with R in the Cat. No. e.g. SD01003R

### Accessories

Add-on auxiliary contacts are available for the 100A- 1250A range and can be selected from the table below. All auxiliary kits contain the necessary fixings and attachments to install the contact blocks which are supplied in 1 N/O + 1 N/C format. All N/O contacts are early break with respect to the main poles when switching from 'On' to 'Off'.

| Image   | Description                      | Cat. No. |
|---|----------------------------------|----------|
|  | Auxiliary Contact 100A - 160A    | SAUXKITA |
|   | Auxiliary Contact 1000A - 1250A  | SAUXKITD |
|  | Auxiliary Contact 200A - 250A    | SAUXKITB |
|   | Auxiliary Contact 400A - 800A    | SAUXKITC |
|  | Spare Terminal Cover 200A        | STS1     |
|   | Spare Terminal Cover 250A - 400A | STS2     |
|   | Set of 4 Terminal Covers 630A    | STS4     |

| Image  | Description                            | Cat. No. |
|--|--|----------|
|  | Handle assembly B1 frame size          | SDH2/BLK |
|  | Handle assembly B2 frame size          | SDH3/BLK |
|  | Handle assembly B3 frame size          | SDH4/BLK |
|  | Handle assembly B4 frame size          | SDH7/BLK |
|  | 400mm extendable shaft for 100A- 160A  | SSH13    |
|  | 400mm extendable shaft for 200A- 250A  | SSH14    |
|  | 400mm extendable shaft for 400A- 1250A | SSH15    |

# Technical Data Sheet

## Loose Panel Isolator Range

CDPD195  
Issue 1

### Fuse Combination Range


A compact range of fuse combination units designed specifically for the panel builder market.

#### Features

- IP2X terminal protection.
- Suitable for std. IEC/BS EN 60269 (BS88) fuse links.
- Supplied as 3P+N or 3P+NL (Neutral Switched or Unswitched respectively).
- Add-on auxiliary/neutral blocks.

The Cat. No.s below include:-

- On-load AC23A fuse combination unit.
- 200mm standard length shaft assembly.
- IP65 door interlocking handle.

| Image  | Rating | Format      | Cat. No.    | Frame Size |
|--|--------|-------------|-------------|------------|
|  | 32A    | 3P+N        | SDF00323NB  | D1         |
|  |        | 3P+NL       | SDF00323NLB |            |
|  | 63A    | 3P+N        | SDF00633NB  | D1         |
|  |        | 3P+NL       | SDF00633NLB |            |
|  | 100A   | 3P+N        | SDF01003NB  | D2         |
|  |        | 3P+NL       | SDF01003NLB |            |
|  | 125A   | 3P+N        | SDF01253NB  | D2         |
|  |        | 3P+NL       | SDF01253NLB |            |
|  | 160A   | 3P+N        | SDF01603NB  | D3         |
|  |        | 3P+NL       | SDF01603NLB |            |
|  | 200A   | 3P+N        | SDF02003NB  | D4         |
|  |        | 3P+NL       | SDF02003NLB |            |
|  | 250A   | 3P+N        | SDF02503NB  | D4         |
|  |        | 3P+NL       | SDF02503NLB |            |
|  | 315A   | 3P+N        | SDF03153NB  | D5         |
|  |        | 3P+NL       | SDF03153NLB |            |
|  | 400A   | 3P+N        | SDF04003NB  | D5         |
|  |        | 3P+NL       | SDF04003NLB |            |
| 630A   | 3P+N   | SDF06303NB  | D6          |            |
|  | 3P+NL  | SDF06303NLB |             |            |

'B' = Black Handle. For Red Handle, replace B with R in the Cat. No. e.g. SDF00253R

### Accessories

Auxiliary blocks and fuse links are available for all Fuse Combination Units. Please select from the tables below. All auxiliaries are supplied as 1 N/O+1 N/C pair. All N/O auxiliary contacts are early break with respect to the main poles when switching from 'On' to 'Off'. Fuse links can be fitted to a lower rating to suit a particular load: please refer to the rating table below to maintain the correct size/tag format (A2, A4, B1 etc.)

| Image   | Description                           | Cat. No. |
|---|---------------------------------------|----------|
|  | Auxiliary Contact for 32A - 160A      | SAUXKITA |
|   | Auxiliary Contact for 630A            | SAUXKITD |
|  | Auxiliary Contact for 200A - 400A     | SAUXKITC |
|  | 400mm extendable shaft for 32A- 160A  | SSH13    |
|   | 400mm extendable shaft for 200A- 630A | SSH15    |

| Image  | Description                         | Cat. No. |
|--|-------------------------------------|----------|
|  | 32A fuse link A2- A3 73 nom         | SFL32    |
|  | 63A fuse link A2- A3 73 nom         | SFL63    |
|  | 100A fuse link A4 94 nom            | SFL100   |
|  | 125A fuse link A4 94 nom            | SFL125   |
|  | 160A fuse link B1- B2 111 nom       | SFL160   |
|  | 200A fuse link B1- B2 111 nom       | SFL200   |
|  | 250A fuse link B1- B2 111 nom       | SFL250   |
|  | 315A fuse link B1- B4 111 nom       | SFL315   |
|  | 400A fuse link B1- B4 111 nom       | SFL400   |
|  | 630A fuse link C1- C3 133 / 184 nom | SFL630   |

# T e c h n i c a l   D a t a   S h e e t

## Loose Panel Isolator Range

CDPD195  
Issue 1

### Changeover Range

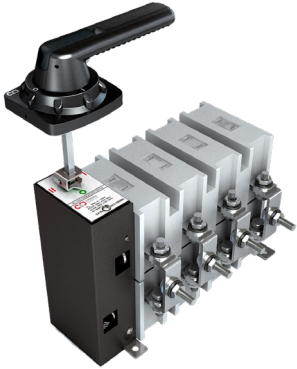
A compact range of load break Changeover Switches suitable for a wide range of applications.

#### Features

- Compact 'piggy-back' design.
- On-load AC23A ratings.
- Supplied as four pole format.
- Windows for visual contact inspection.

The Cat. No.s below include:-

- On-load AC23A changeover four pole switch.
- 200mm standard length shaft assembly.
- IP65 door interlocking handle.

| Image   | Rating | Format | Cat. No.   | Frame Size |
|---|--------|--------|------------|------------|
|  | 63A    | 4P     | SCOD00634B | C1C        |
|   | 100A   | 4P     | SCOD01004B | C1C        |
|   | 125A   | 4P     | SCOD01254B | C2C        |
|   | 160A   | 4P     | SCOD01604B | C2C        |
|   | 200A   | 4P     | SCOD02004B | C2C        |
|   | 250A   | 4P     | SCOD02504B | C2         |
|   | 400A   | 4P     | SCOD04004B | C3         |
|   | 630A   | 4P     | SCOD06304B | C3         |

### Accessories

Alternative shafts and handles can be selected from the table below.

| Image   | Description                          | Cat. No. |
|---|--------------------------------------|----------|
|  | Handle assembly C1C & C2C frame size | PSA0515  |
|  | Handle assembly C2 & C3 frame size   | SDH6/BLK |

| Image  | Description                           | Cat. No. |
|--|---------------------------------------|----------|
|  | 400mm extendable shaft for 63A- 100A  | SSH14    |
|  | 400mm extendable shaft for 125A- 200A | SSH18    |
|  | 400mm extendable shaft for 250A- 30A  | SSH15    |










# Technical Data Sheet

## Loose Panel Isolator Range

CDPD195  
Issue 1

### Technical Specification - Panel Isolators

Data supplied against tests to BS EN 60947-3. \*All AC21, AC22 &amp; AC23 tests carried out at 415V.

| Compact Range   |           |                 |                    |   |   |   |   |   |   |   |   |   |                     |
|---|-----------|-----------------|--------------------|---|---|---|---|---|---|---|---|---|---------------------|
| Application   | Sym       | Unit            | Category           | 25  | 32  | 40  | 63  | 80  | 100   | 125   | 160   | 200   |                     |
| Rated thermal current                                 | $I_{th}$  | A               |                    | 25  | 32  | 40  | 63  | 80  | 100   | 125   | 160   | 200   |                     |
| Rated insulation voltage                              | $U_i$     | V               |                    | 690   | 690   | 690   | 690   | 690   | 1000  | 1000  | 1000  | 1000  |                     |
| Rated impulse voltage                                 | $U_{imp}$ | kV              |                    | 6   | 6   | 6   | 6   | 6   | 8   | 8   | 8   | 8   |                     |
| Rated operational current (AC)                        | $I_e$     | A               | 400V- AC21A        | 25  | 32  | 40  | 63  | 80  | 100   | 125   | 160   | 200   |                     |
|   |           |                 | 400V- AC22A        | -   | -   | -   | -   | -   | 100   | 125   | 160   | 200   |                     |
|   |           |                 | 400V- AC23A        | 21  | 29  | 29  | 48  | 56  | 100   | 111   | 132   | 132   |                     |
| Rated operational current (DC)<br>( /poles in series) | $I_e$     | A               | Up to 48V- DC21A   | 25/1  | 32/1  | 40/1  | 63/1  | 80/1  | -   | -   | -   | -   |                     |
|   |           |                 | 220V- DC21A        | 25/3  | 32/3  | 40/3  | 63/4  | 80/4  | -   | -   | -   | -   |                     |
|   |           |                 | Up to 48V- DC22A   | -   | -   | -   | -   | -   | -   | -   | -   | -   |                     |
|   |           |                 | 220V- DC22A        | -   | -   | -   | -   | -   | -   | -   | -   | -   |                     |
|   |           |                 | Up to 48V- DC23A   | -   | -   | -   | -   | -   | -   | -   | -   | -   |                     |
| 220V- DC23A   | -         | -               | -                  | -   | -   | -   | -   | -   | -   |   |   |   |                     |
| Rated operational power                               | $P_e$     | kW              | 400/415V- AC23A    | 11  | 15  | 15  | 25  | 30  | 59  | 63  | 75  | 75  |                     |
| Short circuit making capacity                         | $I_{cm}$  | kA              | Peak value         | 1.2   | 1.4   | 1.4   | 2.9   | 3.0   | 3.7   | 4.0   | 5.0   | 5.0   |                     |
| Short circuit withstand (1sec)                        | $I_{cw}$  | kA              | rms value          | 0.5   | 0.6   | 0.6   | 1.3   | 1.4   | 2.6   | 2.8   | 3.0   | 3.0   |                     |
| Min. mechanical endurance                             | -         | -               | Operations         | 250 x 10 <sup>3</sup>   | 250 x 10 <sup>3</sup>   | 250 x 10 <sup>3</sup>   | 250 x 10 <sup>3</sup>   | 250 x 10 <sup>3</sup>   | 50 x 10 <sup>3</sup>  | 50 x 10 <sup>3</sup>  | 50 x 10 <sup>3</sup>  | 50 x 10 <sup>3</sup>  |                     |
| Min. electrical endurance                             | -         | -               | 415V- at 0.65 pf   | -   | -   | -   | -   | -   | -   | -   | -   | -   |                     |
| Connecting capacity                                   |           | -               | Terminal type      |  |  |  |  |  |  |  |  |  |                     |
|   |           | mm <sup>2</sup> | Min/Max            | 2.5/6   | 2.5/10  | 2.5/10  | 2.5/25  | 2.5/25  | 10/70   | 10/70   | 10/70   | -   |                     |
|   |           | mm              | Stud/Cu palm width | -   | -   | -   | -   | -   | -   | -   | -   | -   | 8/20                |
|   |           | Nm              | Tightening torque  | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 5   | 5   | 5   | 10                  |
| Standard Range  |           |                 |                    |   |   |   |   |   |   |   |   |   |                     |
| Application   | Sym       | Unit            | Category           | 100   | 125   | 160   | 200   | 250   | 400   | 630   | 800   | 1000  | 1250                |
| Rated thermal current                                 | $I_{th}$  | A               |                    | 115   | 125   | 160   | 200   | 270   | 500   | 630   | 720   | 1000  | 1250                |
| Rated insulation voltage                              | $U_i$     | V               |                    | 750   | 750   | 750   | 1000  | 1000  | 1000  | 1000  | 1000  | 1000  | 1000                |
| Rated impulse voltage                                 | $U_{imp}$ | kV              |                    | 8   | 8   | 8   | 12  | 12  | 12  | 12  | 12  | 8   | 8                   |
| Rated operational current (AC)                        | $I_e$     | A               | 400V- AC21A        | 100*  | 125*  | 160*  | 200*  | 250*  | 400*  | 630*  | 800*  | 1000*   | 1250*               |
|   |           |                 | 400V- AC22A        | 100*  | 125*  | 160*  | 200*  | 250*  | 400*  | 630*  | 800*  | 1000*   | 1250*               |
|   |           |                 | 400V- AC23A        | 100*  | 125*  | 135*  | 200*  | 250*  | 400*  | 630*  | 720*  | -   | -                   |
| Rated operational current (DC)<br>( /poles in series) | $I_e$     | A               | Up to 48V- DC21A   | 100/2   | 125/2   | 160/2   | 200/2   | 250/2   | 400/2   | 630/1   | 800/1   | 1000/1  | 1250/1              |
|   |           |                 | 220V- DC21A        | 100/3   | 125/3   | 160/3   | 200/2   | 250/2   | 400/2   | 630/2   | 800/2   | 1000/3  | 1250/3              |
|   |           |                 | Up to 48V- DC22A   | 100/2   | 125/2   | 160/2   | 200/2   | 250/2   | 400/1   | 630/1   | 800/1   | -   | -                   |
|   |           |                 | 220V- DC22A        | 100/3   | 125/3   | 160/3   | 200/2   | 250/2   | 400/2   | 630/2   | 800/2   | -   | -                   |
|   |           |                 | Up to 48V- DC23A   | 100/2   | 125/2   | 160/2   | 200/2   | 250/2   | 400/1   | 630/1   | 800/1   | -   | -                   |
| 220V- DC23A   | 100/3     | 125/3           | 160/3              | 200/2   | 250/2   | 400/2   | 630/2   | 630/2   | -   | -   |   |   |                     |
| Rated operational power                               | $P_e$     | kW              | 400/415V- AC23A    | 37  | 45  | 75  | 110   | 132   | 200   | 315   | 355   | 400   | 500                 |
| Short circuit making capacity                         | $I_{cm}$  | kA              | Peak value         | 7   | 7   | 7   | 35  | 35  | 65  | 80  | 80  | 105   | 105                 |
| Short circuit withstand (1sec)                        | $I_{cw}$  | kA              | rms value          | 5   | 5   | 5   | 8   | 8   | 17  | 17  | 17  | 50  | 50                  |
| Min. mechanical endurance                             | -         | -               | Operations         | 20 x 10 <sup>3</sup>  | 20 x 10 <sup>3</sup>  | 20 x 10 <sup>3</sup>  | 16 x 10 <sup>3</sup>  | 16 x 10 <sup>3</sup>  | 10 x 10 <sup>3</sup>  | 10 x 10 <sup>3</sup>  | 10 x 10 <sup>3</sup>  | 6 x 10 <sup>3</sup>   | 6 x 10 <sup>3</sup> |
| Min. electrical endurance                             | -         | -               | 415V- at 0.65 pf   | 5,000   | 5,000   | 1,000   | 1,000   | 1,000   | 1,000   | 500   | 500   | 500   | 500                 |

# T e c h n i c a l   D a t a   S h e e t

## Loose Panel Isolator Range

CDPD195  
Issue 1

### Technical Specification - Panel Isolators

Data supplied against tests to BS EN 60947-3.

| Standard Range                          |           |                 |                    |        |        |        |        |        |        |        |        |        |        |
|---|-----------|-----------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Application                             | Sym       | Unit            | Category           | 100    | 125    | 160    | 200    | 250    | 400    | 630    | 800    | 1000   | 1250   |
| Connecting capacity                     |           | -               | Terminal type      |        |        |        |        |        |        |        |        |        |        |
|   |           | mm <sup>2</sup> | Min/Max            | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
|   |           | mm              | Stud/Cu palm width | 8x25   | 8x25   | 8x25   | 8x25   | 10x30  | 10x40  | 12x40  | 12x40  | 12x60  | 12/60  |
|   |           | Nm              | Tightening torque  | 10     | 10     | 10     | 10     | 30     | 30     | 50     | 50     | 50     | 50     |
| Fuse Combination Range                  |           |                 |                    |        |        |        |        |        |        |        |        |        |        |
| Application                             | Sym       | Unit            | Category           | 32     | 63     | 100    | 125    | 160    | 200    | 250    | 315    | 400    | 630    |
| Rated thermal current                   | $I_{the}$ | A               |                    | 32     | 63     | 100    | 125    | 160    | 200    | 250    | 315    | 400    | 630    |
| Rated insulation voltage                | $U_i$     | V               |                    | 750    | 750    | 750    | 750    | 750    | 750    | 750    | 750    | 750    | 750    |
| Rated impulse voltage                   | $U_{imp}$ | kV              |                    | 12     | 12     | 12     | 12     | 12     | 12     | 12     | 12     | 12     | 12     |
| Rated operational current               | $I_e$     | A               | 415V- AC23A        | 32     | 63     | 100    | 125    | 160    | 200    | 250    | 315    | 400    | 630    |
|   |           |                 | 220V- DC23A        | -      | -      | 100    | 125    | 160    | 200    | 250    | 315    | 400    | 630    |
| Rated making capacity (AC23A)           |           | A               | 415V, 0.35 pf      | 320    | 630    | 1,000  | 1,250  | 1,600  | 2,000  | 2,500  | 3,150  | 4,000  | 6,300  |
| Rated breaking capacity (AC23A)         |           | A               | 415V, 0.35 pf      | 256    | 504    | 800    | 1,000  | 1,280  | 1,600  | 2,000  | 2,520  | 3,200  | 5,040  |
| Rated Conditional (Fused) short circuit |           | kA              | S/C current rms    | 80     | 80     | 80     | 80     | 80     | 80     | 80     | 80     | 80     | 80     |
|   |           | A               | back-up fuse       | 32     | 63     | 100    | 125    | 160    | 200    | 250    | 315    | 400    | 630    |
| Min. mechanical endurance               |           | -               | Operations         | 25,000 | 25,000 | 15,000 | 15,000 | 15,000 | 10,000 | 10,000 | 10,000 | 10,000 | 6,000  |
| Min. electrical endurance               |           | -               | 415V- at 0.65 pf   | 1,500  | 1,500  | 1,000  | 1,000  | 1,000  | 1,000  | 1,000  | 1,000  | 1,000  | 1,000  |
| BS fuse format                          |           |                 |                    | A2     | A2     | A4     | A4     | B1, B2 | B1, B2 | B1, B2 | B1, B4 | B1, B4 | C1, C3 |
| Connecting capacity                     |           | -               | Terminal type      |        |        |        |        |        |        |        |        |        |        |
|   |           | mm <sup>2</sup> | Min/Max            | 16     | 25     | 95     | 95     | 120    | 240    | 240    | 300    | 300    | 400    |
|   |           | mm              | Stud/Cu palm width | -      | -      | 8x20   | 8x20   | 8x20   | 10x25  | 10x25  | 10x25  | 10x25  | 12x50  |
|   |           | Nm              | Tightening torque  | 2.5    | 2.5    | 10     | 10     | 10     | 30     | 30     | 30     | 30     | 50     |
| Changeover Range                        |           |                 |                    |        |        |        |        |        |        |        |        |        |        |
| Application                             | Sym       | Unit            | Category           | 63     | 100    | 125    | 160    | 200    | 250    | 400    | 630    |        |        |
| Rated thermal current                   | $I_{the}$ | A               |                    | 63     | 100    | 125    | 160    | 200    | 250    | 400    | 630    |        |        |
| Rated insulation voltage                | $U_i$     | V               |                    | 750    | 750    | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |        |        |
| Rated impulse voltage                   | $U_{imp}$ | kV              |                    | 6      | 6      | 6      | 6      | 6      | 12     | 12     | 12     |        |        |
| Rated operational current               | $I_e$     | A               | 415V- AC22A        | 63     | 100    | 125    | 160    | 200    | 250    | 400    | 630    |        |        |
| Rated making capacity (AC23A)           |           | A               | 415V, 0.35 pf      | 630    | 630    | 1,250  | 1,600  | 2,000  | 2,500  | 4,000  | 6,300  |        |        |
| Rated breaking capacity (AC23A)         |           | A               | 415V, 0.35 pf      | 504    | 504    | 1,000  | 1,280  | 1,600  | 2,000  | 3,200  | 5,040  |        |        |
| Short circuit current                   |           | kA              | rms (with fuses)   | 80     | 80     | 80     | 80     | 80     | 100    | 100    | 80     |        |        |
| Rated S/C making capacity               |           | kA              | Peak               | 15     | 15     | 20     | 20     | 20     | 30     | 40     | 50     |        |        |
| Min. mechanical endurance               |           | -               | Operations         | 20,000 | 20,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |        |        |
| Min. electrical endurance               |           | -               | 415V- at 0.65 pf   | 2,500  | 1,500  | 1,000  | 1,000  | 1,000  | 1,000  | 1,000  | 500    |        |        |
| Connecting capacity                     |           | -               | Terminal type      |        |        |        |        |        |        |        |        |        |        |
|   |           | mm <sup>2</sup> | Max                | 35     | 35     | 95     | 95     | 95     | 240    | 300    | 400    |        |        |
|   |           | mm              | Stud/Cu palm width | 6/12   | 6/12   | 8/22   | 8/22   | 8/22   | 10/25  | 10/25  | 12/50  |        |        |
|   |           | Nm              | Tightening torque  | 3      | 3      | 10     | 10     | 10     | 30     | 30     | 50     |        |        |

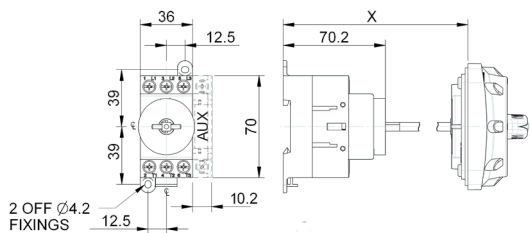
# Technical Data Sheet

## Loose Panel Isolator Range

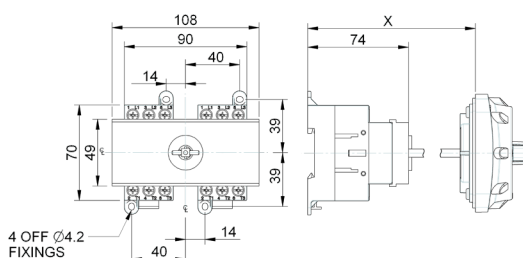
CDPD195  
Issue 1

### Compact Range

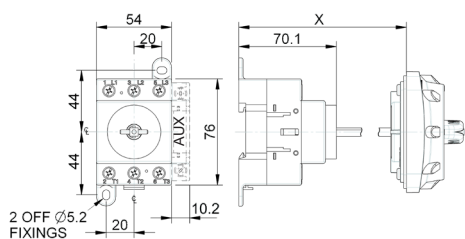
A0 Size (25A- 40A) - x1 = n/a | x2= 105-180 | x3 = 105-280



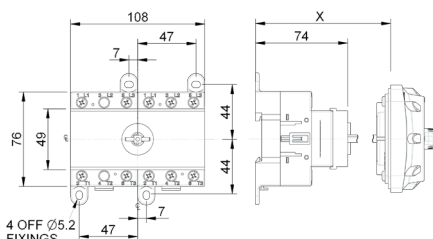
A0-A0 Size (6 pole 25A) - x1 = 98 | x2= 116-191 | x3 = 116-291



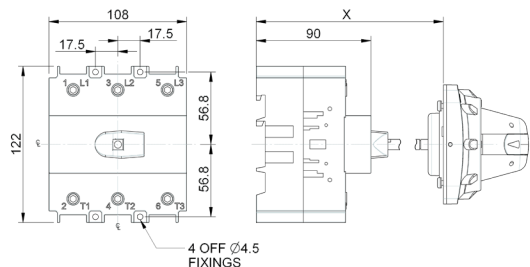
A1 Size (63A- 80A) - x1 = 98 | x2= 110-185 | x3 = 110-285



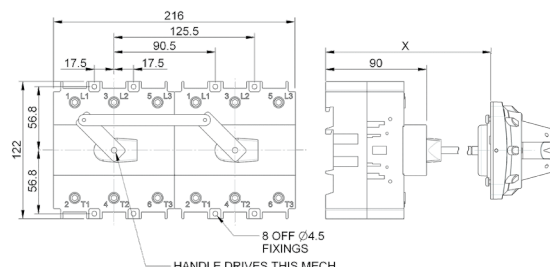
A1-A1 Size (6 pole 40A-80A) - x1 = 98 | x2= 116-191 | x3 = 116-291



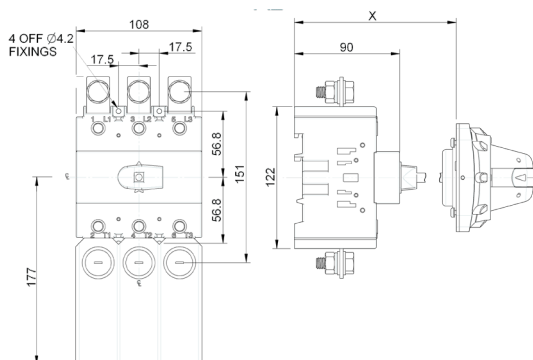
A2 Size (100A- 160A) - x1 = 121-166 | x2= n/a | x3 = 121-235



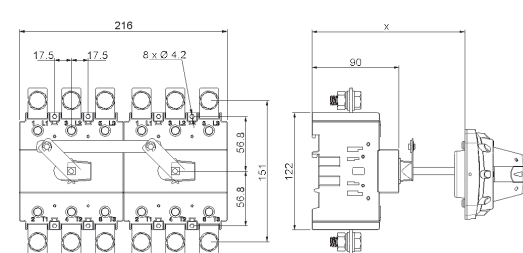
A2-A2 Size (6 pole 100A-160A) - x1 = 121-166 | x2= n/a | x3 = 121-235



A3 Size (200A) - x1 = 121-166 | x2= n/a | x3 = 121-235



A3 Size (6 pole 200A) - x1 = 121-166 | x2= n/a | x3 = 121-235



#### Compact Range

x1 = Min. & Max. (mm) (without extension shaft)

x2 = Min. & Max. (mm) with 100mm shaft extension

x3 = Min. & Max. (mm) with 200mm shaft extension

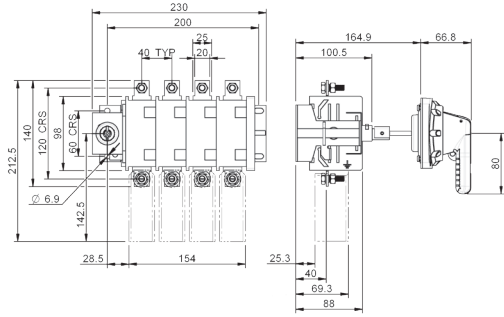
# Technical Data Sheet

## Loose Panel Isolator Range

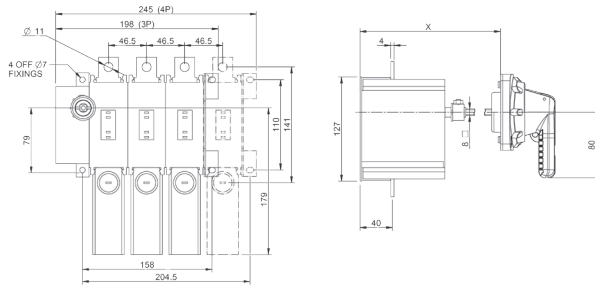
CDPD195  
Issue 1

### Standard Range

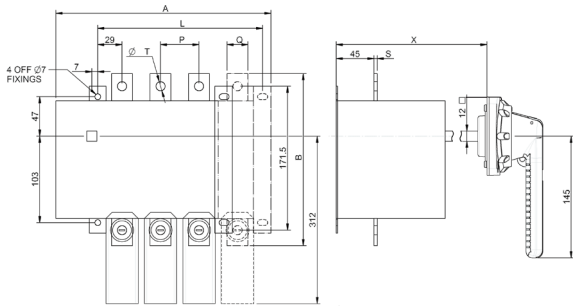
B1 Size (100A- 160A) - x3 = 156-251 | x4= 156-351



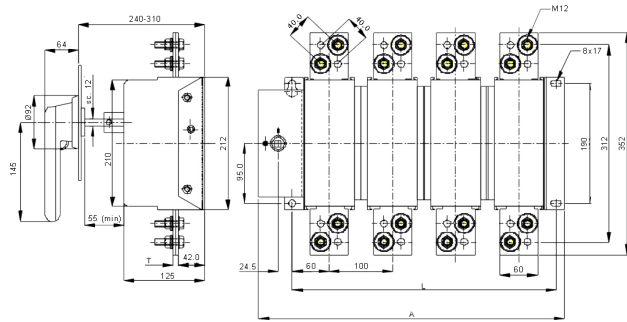
B2 Size (200A- 250A) - x3 = 158-254 | x4= 158-354



B3 Size (315A- 800A) - x3 = 163-257 | x4= 163-357



B4 Size (1000A-1250A)



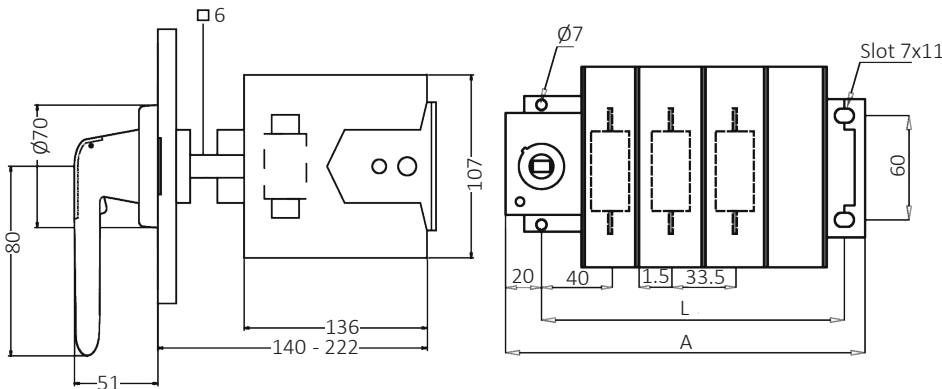
| Rating | A   |     | B   | L   |     | P  | Q  | S | T    |
|--------|-----|-----|-----|-----|-----|----|----|---|------|
|        | 3P  | 4P  |     | 3P  | 4P  |    |    |   |      |
| 400A   | 211 | 257 | 205 | 151 | 197 | 46 | 25 | 4 | 11   |
| 600A   | 244 | 306 | 223 | 183 | 245 | 62 | 40 | 5 | 13.5 |
| 800A   | 260 | 330 | 223 | 199 | 269 | 70 | 40 | 5 | 13.5 |

| Rating | A   |     | L   |     | T |
|--------|-----|-----|-----|-----|---|
|        | 3P  | 4P  | 3P  | 4P  |   |
| 1000A  | 383 | 483 | 318 | 418 | 8 |
| 1250A  | 383 | 483 | 318 | 418 | 8 |

Standard Range  
x3 = Min. & Max. (mm) with 200mm shaft extension  
x4 = Min. & Max. (mm) with 400mm shaft extension

### Fuse Combination Range

32A - 63A



| Format        | A   | L   |
|---------------|-----|-----|
| 3P+NL         | 168 | 138 |
| 3P+N          | 201 | 171 |
| Frame Size D1 |     |     |

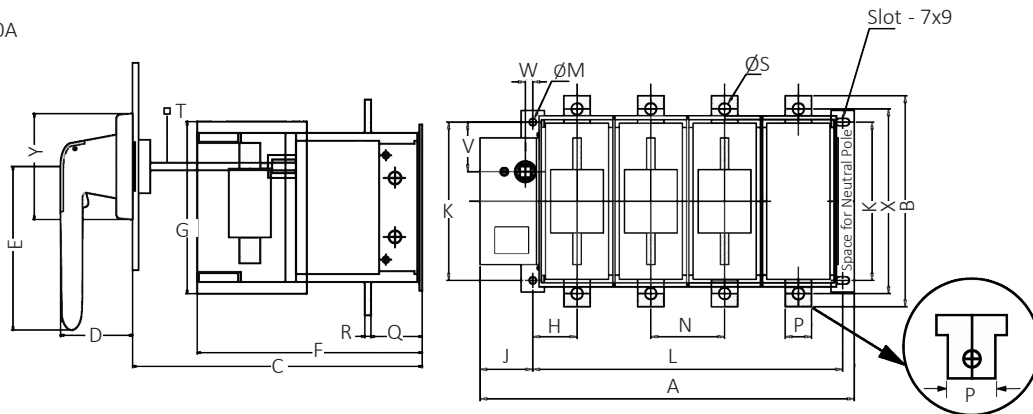
# Technical Data Sheet

## Loose Panel Isolator Range

CDPD195  
Issue 1

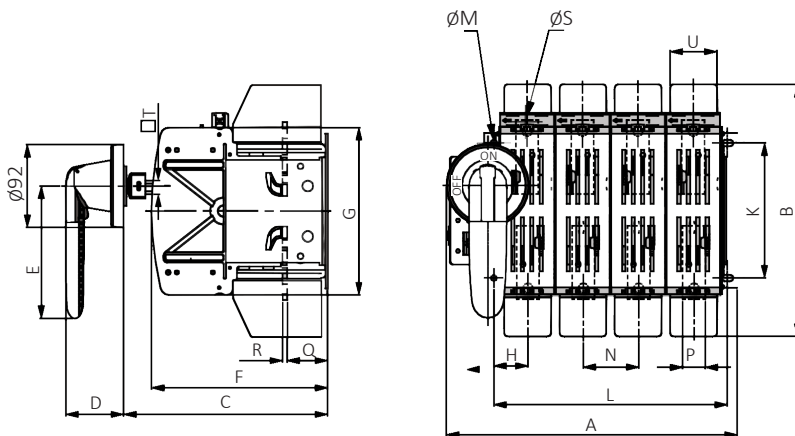
### Fuse Combination Range

100A - 160A



| Rating (A) | A     |      | B   | C       | D  | E  | F   | G  | H    | J  | K  | L     |      | M | N  | P  | Q  | R | S | T | V  | W | X   | Y  | Frame Size |
|------------|-------|------|-----|---------|----|----|-----|----|------|----|----|-------|------|---|----|----|----|---|---|---|----|---|-----|----|------------|
|            | 3P&NL | 3P&N |     |         |    |    |     |    |      |    |    | 3P&NL | 3P&N |   |    |    |    |   |   |   |    |   |     |    |            |
| 100-125    | 190   | 230  | 142 | 135-225 | 67 | 80 | 134 | 98 | 44.5 | 20 | 60 | 160   | 195  | 7 | 40 | 20 | 40 | 2 | 9 | 6 | 30 | 0 | 122 | 93 | D2         |
| 160        | 212   | 260  | 142 | 135-225 | 67 | 80 | 134 | 98 | 44.5 | 20 | 60 | 182   | 230  | 7 | 48 | 20 | 40 | 3 | 9 | 6 | 30 | 0 | 122 | 93 | D3         |

200A - 630A



| Rating (A) | A     |      | B   | C       | D  | E   | F   | G   | H  | K   | L     |      | M | N  | P  | Q  | R | S  | T  | U  | Frame Size |
|------------|-------|------|-----|---------|----|-----|-----|-----|----|-----|-------|------|---|----|----|----|---|----|----|----|------------|
|            | 3P&NL | 3P&N |     |         |    |     |     |     |    |     | 3P&NL | 3P&N |   |    |    |    |   |    |    |    |            |
| 200-250    | 261   | 323  | 280 | 230-310 | 67 | 145 | 196 | 186 | 37 | 150 | 198   | 260  | 7 | 62 | 25 | 45 | 5 | 11 | 12 | 52 | D4         |
| 315-400    | 285   | 355  | 280 | 230-310 | 67 | 145 | 196 | 186 | 37 | 150 | 222   | 292  | 7 | 70 | 25 | 45 | 5 | 11 | 12 | 52 | D5         |
| 630        | 360   | 440  | 444 | 245-305 | 67 | 145 | 231 | 250 | 60 | 190 | 340   | 440  | 9 | 80 | 40 | 40 | 6 | 13 | 12 | 61 | D6         |

# Technical Data Sheet

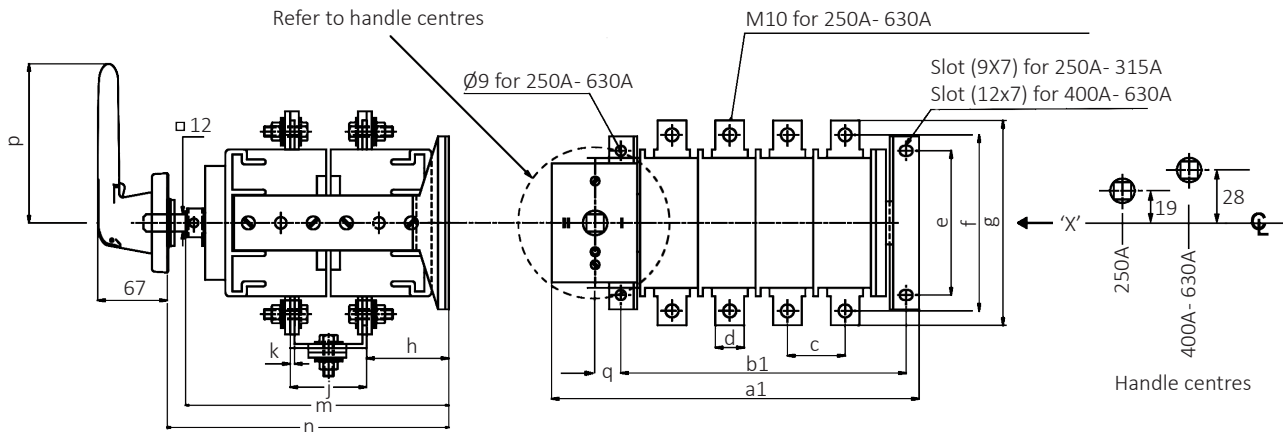
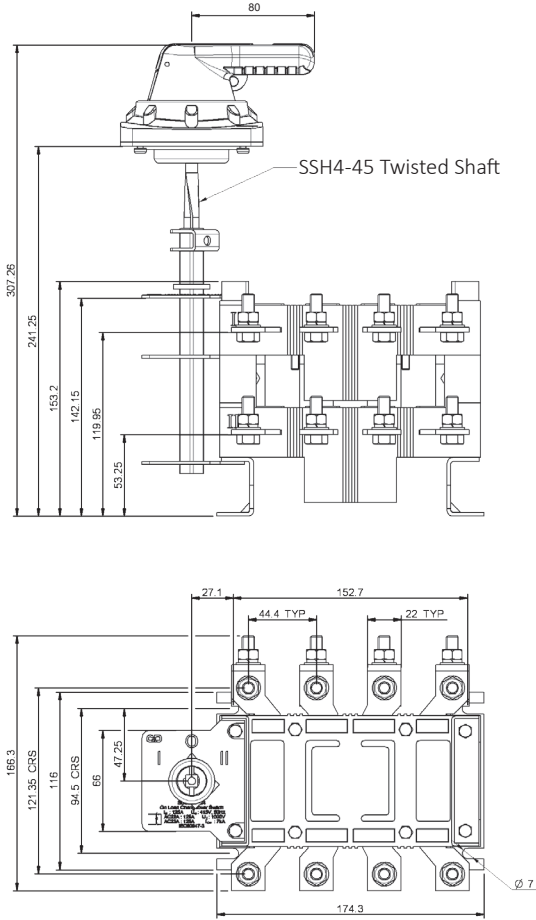
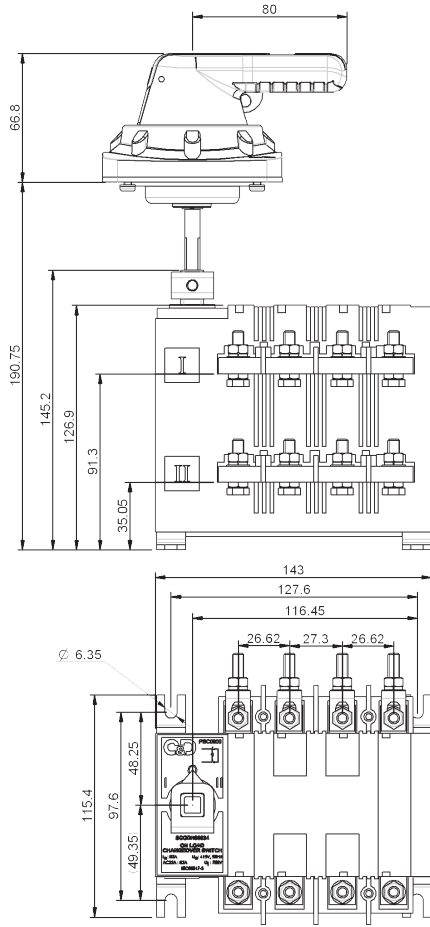
## Loose Panel Isolator Range

### Changeover Range

CDPD195  
Issue 1

Frame Size C1C- 63A & 100A Ratings

Frame Size C2C- 125A, 160A & 200A Ratings



| Rating (A) | A1    | B1  | C  | D  | E   | F   | G   | H    | J  | K   | M   | N       | P   | Q  | Frame Size |
|------------|-------|-----|----|----|-----|-----|-----|------|----|-----|-----|---------|-----|----|------------|
| 250 (C2)   | 309.5 | 252 | 61 | 25 | 124 | 138 | 163 | 65.5 | 81 | 4.0 | 242 | 255-355 | 145 | 18 | C2         |
| 400 (C3)   | 352   | 276 | 70 | 25 | 150 | 180 | 205 | 85   | 96 | 4.0 | 262 | 300-400 | 220 | 26 | C3         |
| 630 (C3)   | 352   | 276 | 70 | 40 | 150 | 185 | 223 | 84   | 98 | 5.0 | 262 | 300-400 | 220 | 26 | C3         |



**SCATTERGOOD  
& JOHNSON LTD**  
ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product manufacturers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

**[www.scatts.co.uk](http://www.scatts.co.uk)**