

# HDPZ50 Consumer Box

Standard: IEC60439-1 IEC60670



## Function

- HDPZ50 Consumer Box provide:
- Protection against overload
  - Protection against over voltage
  - Protection against leakage

## Order Information

| Material                           | Installation         | No. of Ways                    | Reference   |                |
|------------------------------------|----------------------|--------------------------------|-------------|----------------|
| Metal Box & Plastic Cover          | Surface installation | 6                              | HDPZ50M6    |                |
|                                    |                      | 8                              | HDPZ50M8    |                |
|                                    |                      | 12                             | HDPZ50M12   |                |
|                                    |                      | 16                             | HDPZ50M16   |                |
|                                    |                      | 20                             | HDPZ50M20   |                |
|                                    |                      | 24                             | HDPZ50M24   |                |
|                                    | Flush installation   | 6                              | HDPZ50R6    |                |
|                                    |                      | 8                              | HDPZ50R8    |                |
|                                    |                      | 12                             | HDPZ50R12   |                |
|                                    |                      | 16                             | HDPZ50R16   |                |
|                                    |                      | 20                             | HDPZ50R20   |                |
|                                    |                      | 24                             | HDPZ50R24   |                |
|                                    |                      | Full Plastic (fire-retardancy) | 4           | HDPZ50PM4IP30F |
|                                    |                      |                                | 6           | HDPZ50PM6IP30F |
| 8                                  | HDPZ50PM8IP30F       |                                |             |                |
| 12                                 | HDPZ50PM12IP30F      |                                |             |                |
| 15                                 | HDPZ50PM15IP30F      |                                |             |                |
| 18                                 | HDPZ50PM18IP30F      |                                |             |                |
| 24                                 | HDPZ50PM24IP30F      |                                |             |                |
| 36                                 | HDPZ50PM36IP30F      |                                |             |                |
| 4                                  | HDPZ50PR4IP30F       |                                |             |                |
| 6                                  | HDPZ50PR6IP30F       |                                |             |                |
| 8                                  | HDPZ50PR8IP30F       |                                |             |                |
| 12                                 | HDPZ50PR12IP30F      |                                |             |                |
| 15                                 | HDPZ50PR15IP30F      |                                |             |                |
| 18                                 | HDPZ50PR18IP30F      |                                |             |                |
| 24                                 | HDPZ50PR24IP30F      |                                |             |                |
| 36                                 | HDPZ50PR36IP30F      |                                |             |                |
| Full Plastic (Non fire-retardancy) | 4                    |                                | HDPZ50PM4NF |                |
|                                    | 6                    |                                | HDPZ50PM6NF |                |
|                                    | 8                    | HDPZ50PM8NF                    |             |                |
|                                    | 12                   | HDPZ50PM12NF                   |             |                |
|                                    | 15                   | HDPZ50PM15NF                   |             |                |
|                                    | 18                   | HDPZ50PM18NF                   |             |                |
|                                    | 24                   | HDPZ50PM24NF                   |             |                |
|                                    | 36                   | HDPZ50PM36NF                   |             |                |
|                                    | 4                    | HDPZ50PR4NF                    |             |                |
|                                    | 6                    | HDPZ50PR6NF                    |             |                |
|                                    | 8                    | HDPZ50PR8NF                    |             |                |
|                                    | 12                   | HDPZ50PR12NF                   |             |                |
|                                    | 15                   | HDPZ50PR15NF                   |             |                |
|                                    | 18                   | HDPZ50PR18NF                   |             |                |
|                                    | 24                   | HDPZ50PR24NF                   |             |                |
|                                    | 36                   | HDPZ50PR36NF                   |             |                |



Final Distribution



# HDPZ50 Consumer Box

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Final Distribution

## Technical Data

| Type                    | HDPZ50                     | HDPZ50P      |
|-------------------------|----------------------------|--------------|
| Material                | Box: Metal, Cover: Plastic | Full Plastic |
| Fire-resistancy         | Fire-resistant             | Optional     |
| Protection Grade        | IP30                       | IP30         |
| Rated Operation Voltage | 230/400V                   | 230/400V     |
| Rated Insulated Voltage | 500V                       | 500V         |
| Rated Operating Current | 100A                       | 100A         |
| Withstand Current       | 6kA                        | 6kA          |

## Overall Dimensions

### HDPZ50

Unit: mm

| Metal Box & Plastic | Surface Installation |     | Flush Installation |     | Thickness<br>C |
|---------------------|----------------------|-----|--------------------|-----|----------------|
|                     | A                    | B   | A                  | B   |                |
| 6                   | 171                  | 220 | 163                | 200 | 90             |
| 8                   | 207                  | 220 | 199                | 200 | 90             |
| 12                  | 279                  | 220 | 272                | 200 | 90             |
| 16                  | 351                  | 220 | 343                | 200 | 90             |
| 20                  | 423                  | 220 | 413                | 200 | 90             |
| 24                  | 303                  | 383 | 282                | 364 | 90             |

### HDPZ50P

Unit: mm

| Full Plastic<br>Loop<br>Number | Dimension for Hidden Installation |       |           |    | Dimension for Surface Installation |       |           |     | Installation<br>Dimension |  |
|--------------------------------|-----------------------------------|-------|-----------|----|------------------------------------|-------|-----------|-----|---------------------------|--|
|                                | Height                            | Width | Thickness |    | Height                             | Width | Thickness |     |                           |  |
|                                | A                                 | B     | C         | C1 | D                                  | E     | F         | H   | I                         |  |
| 4                              | 200                               | 114   | 61        | 78 | 200                                | 112   | 91        | 138 | -                         |  |
| 6                              | 200                               | 150   | 61        | 78 | 200                                | 147   | 96        | 144 | -                         |  |
| 8                              | 200                               | 186   | 61        | 78 | 200                                | 183   | 96        | 144 | -                         |  |
| 12                             | 196                               | 258   | 61        | 78 | 200                                | 255   | 96        | 144 | -                         |  |
| 15                             | 198                               | 311   | 61        | 78 | 200                                | 310   | 96        | 144 | -                         |  |
| 18                             | 216                               | 363   | 61        | 78 | 218                                | 362   | 96        | 162 | 290                       |  |
| 24                             | 310.5                             | 261   | 74.5      | 92 | 324                                | 270   | 102       | 230 | 207                       |  |
| 36                             | 414.5                             | 261   | 70.5      | 88 | 459                                | 270   | 102       | 418 | 207                       |  |

