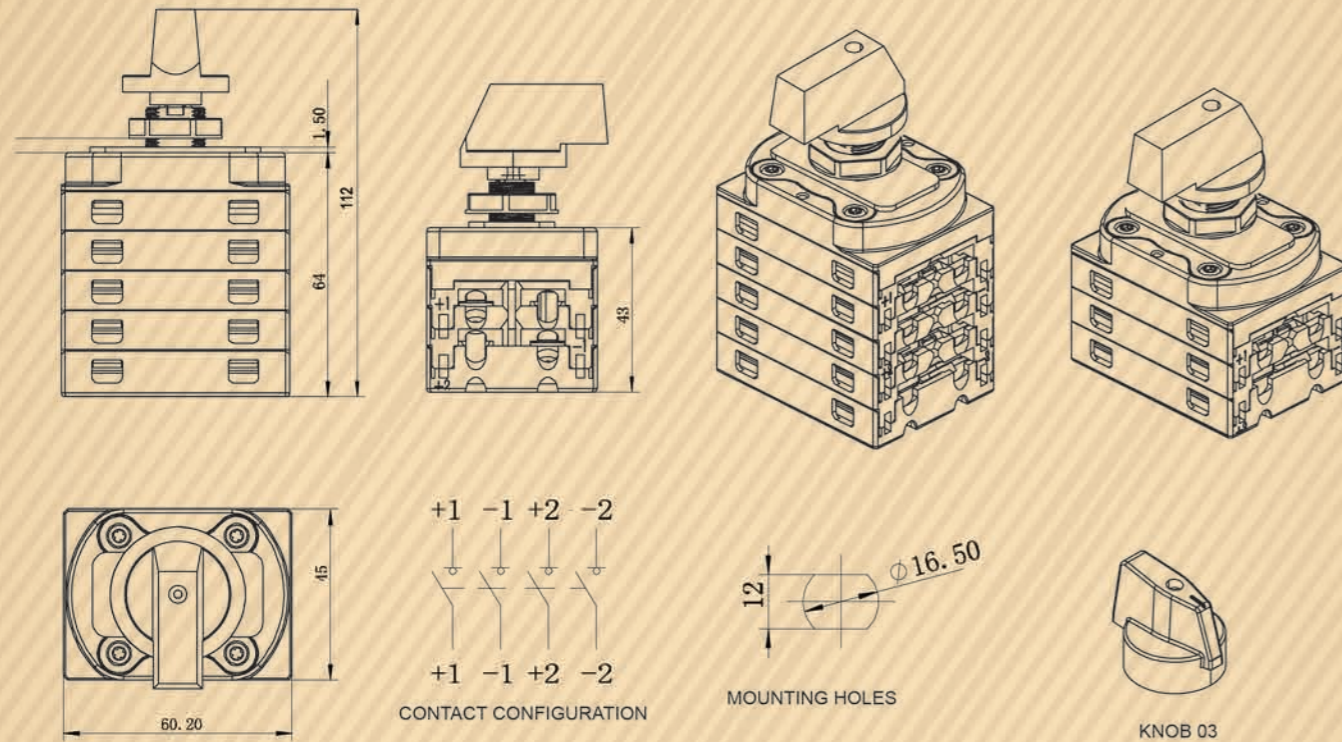


Dimensions



SINGLE HOLE MOUNTING
DC ISOLATOR

PEDS150R-HM-X-US





Product Features





































1. Compact structure, modular design, level 2-8 with different versos are available,satisfied to the need of different situations.
2. Single hole is easy to install,favorable seal design, use import seal component to make sure that the installation machines is available to reach IP66 standard.
3. Incorporating a user independent switching action, spring mechanism, to ensure a very fast break/make action which means the disconnection of the load circuits and suppression of the arc is normally extinguished in a maximum of 5ms.
4. Double arc extinguishing mechanism, magnetic and arc chutes, restrain the arc efficiency, especially DC arc.
5. SAFE-LOCK with three rotational positions reducing the risks of tampering.
6. SClass B electrical nominal, stronger overload capacity, over-voltage III, and Pollution degree II.
7. Rated DC voltage is 1500V, with international certifications like IEC60947-3,UL508,GB14048.3.etc.

Technical data

Data according to IEC 60947-3,UL508i,GB14048.3. Utilization category DC-21A/DC-21B.

| Main Parameters | | Type | HM16-US | HM25-US | HM32-US |
|--|---|-----------------|---|---------|---------|
| Rated insulation voltage | U_i | V | 1500 | 1500 | 1500 |
| Rated thermal current | I_{the} | A | 16 | 25 | 32 |
| rated impulse withstand voltage | U_{imp} | V | 8000 | 8000 | 8000 |
| rated short-time withstand current (1s) | I_{cw} | 2, 4, 6, 8 | 800 | 900 | 1000 |
| | | 2H, 3H, 4H | 1300 | 1500 | 1700 |
| rated short-circuit making capacity | I_{cm} | 2, 4, 6, 8 | 800 | 900 | 1000 |
| | | 2H, 3H, 4H | 1300 | 1500 | 1700 |
| rated conditional short-circuit current | I_{cc} | A | 5000 | 5000 | 5000 |
| Max. fuse size | g_1 (gG) | A | 40 | 63 | 80 |
| Maximum cable cross sections (incl. jumper) | | | | | |
| solid or standard | | mm ² | 4-16 | 4-16 | 4-16 |
| flexible | | mm ² | 4-10 | 4-10 | 4-10 |
| flexible (+ multicore cable end) | | mm ² | 4-10 | 4-10 | 4-10 |
| Torque | | | | | |
| Tightening torque terminal screws M4. | | Nm | | 1.2-1.3 | |
| Tightening torque panel mounting screws ST4.2(304 stainless steel) | | Nm | | NA | |
| Tightening torque single hole mounting nut M16 | | Nm | | 2.0-2.7 | |
| Tightening torque knob screws M3 | | Nm | | 0.5-0.7 | |
| Switching on or off torque | | Nm | | 0.9-1.9 | |
| Power loss per switch Max. | | | | | |
| 2 | | W | 0.8 | 2 | 3 |
| 4 | | W | 1.6 | 4 | 6 |
| 6 | | W | 2.4 | 6 | 9 |
| 8 | | W | 3.2 | 8 | 12 |
| 2H | | W | 0.4 | 1 | 1.5 |
| 3H | | W | 0.6 | 1.5 | 2.25 |
| 4H | | W | 0.8 | 2 | 3 |
| General parameters | | | | | |
| method of mounting | single hole mounting | | | | |
| type of knob | A | | B | | |
| |  | |  | | |
| knob positions | OFF at 12 hr,ON at 3 hr; (OFF at 9 hr,ON at 12 hr optional) | | | | |
| Mechanical life | 10,000 | | | | |
| number of DC poles | 2 or 4 (6/8 pole optional) | | | | |
| Distance of contacts (per pole) | mm | 8 | | | |
| Operation temperature | °C | -40 to +70 | | | |
| Storage temperature | °C | -40 to +85 | | | |
| Pollution degree | 2 | | | | |
| Overvoltage category | III | | | | |
| IP rating of shafte and mounting nut | IP66 | | | | |

Technical data

| Data according to IEC 60947-3,UL508i,GB14048.3. Utilization category DC-21A/DC-21B. | | | | | | | | Poles in series | No. of Strings | Part Number | Contact Configuration |
|---|------|------|------|------|-------|-------|-------|-----------------|----------------|---------------------|---|
| 500V | 600V | 700V | 800V | 900V | 1000V | 1200V | 1500V | | | | |
| 9 | 6 | 4.5 | 3 | 2.5 | 1.5 | / | / | 1 | 1 | PEDS150R-HM16-1-US |  |
| 11 | 8 | 6 | 4 | 3 | 2 | / | / | 1 | 1 | PEDS150R-HM25-1-US |  |
| 13 | 10 | 7.5 | 5 | 4 | 2.5 | / | / | 1 | 1 | PEDS150R-HM32-1-US |  |
| 16 | 16 | 16 | 16 | 13 | 9 | 6 | 3 | 2 | 1 | PEDS150R-HM16-2-US |  |
| 25 | 25 | 23 | 20 | 16 | 11 | 8 | 4 | 2 | 1 | PEDS150R-HM25-2-US |  |
| 32 | 32 | 27 | 23 | 20 | 13 | 10 | 5 | 2 | 1 | PEDS150R-HM32-2-US |  |
| 16 | 16 | 16 | 16 | 13 | 9 | 6 | 3 | 2 | 2 | PEDS150R-HM16-3-US |  |
| 25 | 25 | 23 | 20 | 16 | 11 | 8 | 4 | 2 | 2 | PEDS150R-HM25-3-US |  |
| 32 | 32 | 27 | 23 | 20 | 13 | 10 | 5 | 2 | 2 | PEDS150R-HM32-3-US |  |
| 29 | 29 | 16 | 16 | 13 | 9 | 6 | 3 | 2 | 1 | PEDS150R-HM16-2H-US |  |
| 45 | 45 | 23 | 20 | 16 | 11 | 8 | 4 | 2 | 1 | PEDS150R-HM25-2H-US |  |
| 58 | 50 | 27 | 23 | 20 | 13 | 10 | 5 | 2 | 1 | PEDS150R-HM32-2H-US |  |
| 16 | 16 | 16 | 16 | 13 | 9 | 6 | 3 | 2 | 2 | PEDS150R-HM16-4-US |  |
| 25 | 25 | 23 | 20 | 16 | 11 | 8 | 4 | 2 | 2 | PEDS150R-HM25-4-US |  |
| 32 | 32 | 27 | 23 | 20 | 13 | 10 | 5 | 2 | 2 | PEDS150R-HM32-4-US |  |
| 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 4 | 1 | PEDS150R-HM16-4S-US |  |
| 25 | 25 | 25 | 25 | 25 | 25 | 25 | 20 | 4 | 1 | PEDS150R-HM25-4S-US |  |
| 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 4 | 1 | PEDS150R-HM32-4S-US |  |
| 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 4 | 1 | PEDS150R-HM16-4T-US |  |
| 25 | 25 | 25 | 25 | 25 | 25 | 25 | 20 | 4 | 1 | PEDS150R-HM25-4T-US |  |
| 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 4 | 1 | PEDS150R-HM32-4T-US |  |
| 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 4 | 1 | PEDS150R-HM16-4B-US |  |
| 25 | 25 | 25 | 25 | 25 | 25 | 25 | 20 | 4 | 1 | PEDS150R-HM25-4B-US |  |
| 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 4 | 1 | PEDS150R-HM32-4B-US |  |
| 16 | 16 | 16 | 16 | 13 | 9 | 6 | 3 | 2 | 3 | PEDS150R-HM16-6-US |  |
| 25 | 25 | 23 | 20 | 16 | 11 | 8 | 4 | 2 | 3 | PEDS150R-HM25-6-US |  |
| 32 | 32 | 27 | 23 | 20 | 13 | 10 | 5 | 2 | 3 | PEDS150R-HM32-6-US |  |
| 29 | 29 | 29 | 29 | 29 | 29 | 12 | 9 | 3 | 1 | PEDS150R-HM16-3H-US |  |
| 45 | 45 | 38 | 38 | 38 | 38 | 14 | 11 | 3 | 1 | PEDS150R-HM25-3H-US |  |
| 58 | 50 | 45 | 45 | 45 | 45 | 16 | 13 | 3 | 1 | PEDS150R-HM32-3H-US |  |
| 16 | 16 | 16 | 16 | 13 | 9 | 6 | 3 | 2 | 4 | PEDS150R-HM16-8-US |  |
| 25 | 25 | 23 | 20 | 16 | 11 | 8 | 4 | 2 | 4 | PEDS150R-HM25-8-US |  |
| 32 | 32 | 27 | 23 | 20 | 13 | 10 | 5 | 2 | 4 | PEDS150R-HM32-8-US |  |
| 29 | 29 | 29 | 29 | 29 | 29 | 29 | 16 | 4 | 1 | PEDS150R-HM16-4H-US |  |
| 45 | 45 | 45 | 45 | 45 | 45 | 45 | 20 | 4 | 1 | PEDS150R-HM25-4H-US |  |
| 58 | 58 | 58 | 58 | 58 | 58 | 50 | 23 | 4 | 1 | PEDS150R-HM32-4H-US |  |