

# PCB Terminal Strips 2.5 mm<sup>2</sup> Pin Spacing 5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm 236 Series



- Terminal strips with CAGE CLAMP® connection, screwdriver actuation parallel or perpendicular to conductor entry
- versions with Ex e (increased safety) approval
- Mixed-color terminal strips from factory
- Operating tools for factory wiring
- 45° conductor entry angle provides a wide variety of applications and wiring options
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart

### Technical data:

| Pin Spacing          | 5/5.08 mm<br>0.2 in |       |       | 7.5/7.62 mm<br>0.3 in |       |        | 10/10.16 mm<br>0.4 in |        |        |
|----------------------|---------------------|-------|-------|-----------------------|-------|--------|-----------------------|--------|--------|
| Rating per           | IEC/EN 60664-1      |       |       | IEC/EN 60664-1        |       |        | IEC/EN 60664-1        |        |        |
| Overtoltage category | III                 | III   | II    | III                   | III   | II     | III                   | III    | II     |
| Pollution degree     | 3                   | 2     | 2     | 3                     | 2     | 2      | 3                     | 2      | 2      |
| Rated voltage        | 250 V               | 320 V | 630 V | 400 V                 | 630 V | 1000 V | 630 V                 | 1000 V | 1000 V |
| Rated surge voltage  | 4 kV                | 4 kV  | 4 kV  | 6 kV                  | 6 kV  | 6 kV   | 8 kV                  | 8 kV   | 8 kV   |
| Nominal current      | 24 A                | 24 A  | 24 A  | 24 A                  | 24 A  | 24 A   | 24 A                  | 24 A   | 24 A   |
| Approvals per        | UL/CSA              |       |       | UL/CSA                |       |        | UL/CSA                |        |        |
| Use group UL 1059    | B                   | C     | D     | B                     | C     | D      | B                     | C      | D      |
| Rated voltage        | 300 V               | -     | 300 V | 300 V                 | -     | 300 V  | 300 V                 | -      | 300 V  |
| Nominal current UL   | 15 A                | -     | 10 A  | 15 A                  | -     | 10 A   | 15 A                  | -      | 10 A   |
| Nominal current CSA  | 15 A                | -     | 10 A  | 15 A                  | -     | 10 A   | 15 A                  | -      | 10 A   |

### Conductor and solder pin data:

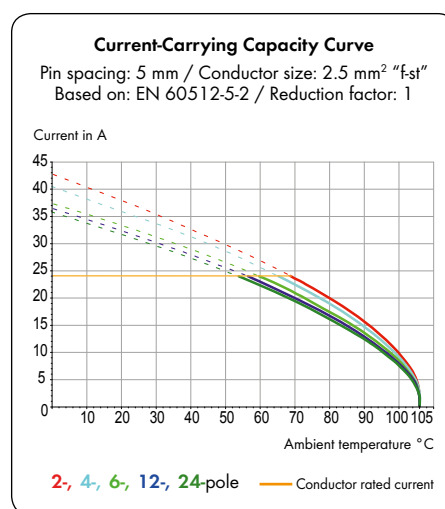
|                                   |   |
|-----------------------------------|---|
| Connection technology             | CAGE CLAMP®   |
| Conductor size: solid             | 0.08 - 2.5 mm <sup>2</sup>                            |
| Conductor size: fine-stranded     | 0.08 - 2.5 mm <sup>2</sup>                            |
| Conductor size: fine-stranded     | 0.25 - 1.5 mm <sup>2</sup> (with insulated ferrule)   |
| Conductor size: fine-stranded     | 0.25 - 1.5 mm <sup>2</sup> (with uninsulated ferrule) |
| AWG                               | 28 - 12 (12: THHN, THWN)                              |
| Strip length                      | 5 - 6 mm / 0.20 - 0.24 in                             |
| Conductor entry angle             | 45° to PCB  |
| Solder pin: length/width          | 4 (3.6; 5.5) mm / 0.7 x 0.7 mm                        |
| Solder pin: drilled hole diameter | 1.1 <sup>+0.1</sup> mm                                |

### Material data:

|                               |  |
|-------------------------------|--|
| Material group                | I                                      |
| Insulating material           | Nylon 6.6 (PA 6.6)                     |
| Temperature stability         | -60°C to +105°C                        |
| Flammability rating per UL 94 | V0                                     |
| Clamping spring material      | Chrome-nickel spring steel (CrNi)      |
| Contact material              | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating               | tin-plated                             |

### Technical data for Ex e II () versions:

| Pin Spacing     | 5/5.08 mm<br>0.2 in      | 7.5/7.62 mm<br>0.3 in | 10/10.16 mm<br>0.4 in |
|-----------------|--------------------------|-----------------------|-----------------------|
| Rating per      | ATEX: PTB 06 ATEX 1061 U |                       | IECEX: PTB 06.0042 U  |
| Rated voltage   | 176 V                    | 275 V                 | 440 V                 |
| Nominal current | 16 A                     | 16 A                  | 16 A                  |



### 236 Series accessories:

### Page:

|                     |           |
|---------------------|-----------|
| Marking accessories | 498 - 501 |
| Operating tools     | 490 - 493 |
| Commoning strips    | 67 - 69   |
| Test plug modules   | 186       |