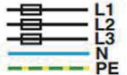
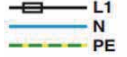


# VAL-US シリーズ製品リスト

## DINレール取付け式の UL Listed 認証済みサージ保護機器 (SPD)

| IEC                 | 電源/接地方式                                                                           |                                                                                   |                            |                      | SPD タイプ            |                      |                      | 型式                   | 製品番号                 |                       |         |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|---------|
|                     |                                                                                   |                                                                                   |                            |                      | UL                 | IEC                  |                      |                      |                      |                       |         |
|                     | 電圧                                                                                | 相数                                                                                | IEC 呼称 *                   | UL 呼称 *              |                    | T1/T2                | T2                   |                      |                      |                       |         |
| 3-phase             | TN-S                                                                              |  | 400/690V AC<br>347/600V AC | 3-phase              | TN-S               | Three Phase Wye      | 1                    |                      | ✓                    | VAL-US-347/30/3+1V-FM | 1079099 |
|                     |                                                                                   |                                                                                   |                            |                      | TN-C               |                      |                      | ✓                    | VAL-US-347/30/3+0-FM | 2910383               |         |
| TN-C                |  | 277/480V AC                                                                       | 3-phase                    | TN-S                 | Three Phase Wye    | 1                    |                      | ✓                    | VAL-US-277/40/3+1-FM | 2910374               |         |
|                     |                                                                                   | 240/415V AC                                                                       | 3-phase                    | TN-S                 | Three Phase Wye    | 1                    |                      | ✓                    | VAL-US-240/40/3+1-FM | 2910367               |         |
|                     | ✓                                                                                 |                                                                                   |                            | VAL-US-277/80/4+0-FM |                    |                      | 2910380              |                      |                      |                       |         |
|                     | ✓                                                                                 |                                                                                   |                            | VAL-US-277/80/3+0-FM |                    |                      | 1075896              |                      |                      |                       |         |
|                     | ✓                                                                                 |                                                                                   |                            | VAL-US-240/40/3+0-FM |                    |                      | 2910366              |                      |                      |                       |         |
| 2-phase             | TN-S                                                                              |  | 120/208V AC                | 3-phase              | TN-S               | Three Phase Wye      | 1                    | ✓                    |                      | VAL-US-120/65/3+1-FM  | 2910360 |
|                     |                                                                                   |                                                                                   |                            |                      | TN-C               |                      |                      |                      | ✓                    | VAL-US-120/40/3+1-FM  | 2910354 |
| TN-C                |  |                                                                                   | TN-S                       | Three Phase Wye      | 1                  | ✓                    |                      | VAL-US-120/65/3+0-FM | 2910359              |                       |         |
|                     |                                                                                   |                                                                                   | TN-C                       |                      |                    |                      | ✓                    | VAL-US-120/40/3+0-FM | 2910353              |                       |         |
| 1-phase             | TN-S                                                                              |  | 240/480V AC                | 2-phase              | TN-S               | Single Split Phase   | 1                    |                      | ✓                    | VAL-US-240/40/2+1-FM  | 2910365 |
|                     |                                                                                   |                                                                                   |                            | TN-C                 |                    |                      |                      | ✓                    | VAL-US-240/40/2+0-FM | 2910364               |         |
| TN-C                |  | 120/240V AC                                                                       | 2-phase                    | TN-S                 | Single Split Phase | 1                    | ✓                    |                      | VAL-US-120/65/2+1-FM | 2910358               |         |
|                     |                                                                                   |                                                                                   |                            |                      |                    |                      | ✓                    | VAL-US-120/40/2+1-FM | 2910352              |                       |         |
|                     | ✓                                                                                 |                                                                                   |                            | VAL-US-120/65/2+0-FM |                    |                      | 2910357              |                      |                      |                       |         |
|                     | ✓                                                                                 |                                                                                   |                            | VAL-US-120/40/2+0-FM |                    |                      | 2910351              |                      |                      |                       |         |
| 400V AC - 347V AC   | 1-phase                                                                           | TN-C                                                                              | Single Phase               | 1                    |                    | ✓                    | VAL-US-347/30/1+0-FM | 2910381              |                      |                       |         |
|                     | 277V AC                                                                           | 1-phase                                                                           | TN-S                       | Single Phase         | 1                  |                      | ✓                    | VAL-US-277/40/1+1-FM | 2910373              |                       |         |
| 240V AC             | 1-phase                                                                           | TN-S                                                                              | Single Phase               | 1                    |                    | ✓                    | VAL-US-240/40/1+1-FM | 2910362              |                      |                       |         |
|                     |                                                                                   | TN-C                                                                              |                            |                      |                    | ✓                    | VAL-US-277/80/1+0-FM | 2910377              |                      |                       |         |
| 120V AC             | 1-phase                                                                           | TN-S                                                                              | Single Phase               | 1                    | ✓                  |                      | VAL-US-120/65/1+1-FM | 2910356              |                      |                       |         |
|                     |                                                                                   |                                                                                   |                            |                      | ✓                  | VAL-US-120/40/1+1-FM | 2910349              |                      |                      |                       |         |
| (±)48V DC<br>60V DC | 1-phase                                                                           | TN-S                                                                              | Single Phase               | 1                    | ✓                  |                      | VAL-US-48/65/1+1V-FM | 2910346              |                      |                       |         |
|                     |                                                                                   | 4CA                                                                               |                            |                      | ✓                  | VAL-US-48/40/1+1V-FM | 2910344              |                      |                      |                       |         |
|                     |                                                                                   | 1                                                                                 |                            | ✓                    |                    | VAL-US-48/65/1+0-FM  | 2910345              |                      |                      |                       |         |
|                     |                                                                                   | 4CA                                                                               |                            |                      | ✓                  | VAL-US-48/40/1+0-FM  | 2910343              |                      |                      |                       |         |

| デルタ結線式  |                               |               |        |                          |         |
|---------|-------------------------------|---------------|--------|--------------------------|---------|
| 電源/接地方式 |                               | UL/IEC SPDタイプ |        | 型式                       | 製品番号    |
| 電圧      | UL 呼称 *                       | UL            | IEC T2 |                          |         |
| 960V AC | Corner Grounded               | 1             | ✓      | VAL-US-600D/30/2+0-FM    | 2910390 |
|         | High-Impedance and Ungrounded |               | ✓      | VAL-US-600D/30/3+0-FM    | 2910391 |
| 690V AC | Corner Grounded               | 1             | ✓      | VAL-US-480D/30/2+0-FM    | 2910385 |
|         | High-Impedance and Ungrounded |               | ✓      | VAL-US-480D/30/3+0-FM    | 2910386 |
| 480V AC | High Leg Delta                | 1             | ✓      | VAL-US-480HLD/30/3+1V-FM | 2910387 |
| 240V AC | Corner Grounded               | 1             | ✓      | VAL-US-240D/40/2+0-FM    | 2910369 |
|         | High-Impedance and Ungrounded |               | ✓      | VAL-US-240D/40/3+0-FM    | 2910370 |
|         | High Leg Delta                |               | ✓      | VAL-US-240HLD/40/3+1-FM  | 2910371 |

\* UL呼称、IEC呼称については左図をご参照願います。

| デルタ結線式  |                               |               |        |                          |         |
|---------|-------------------------------|---------------|--------|--------------------------|---------|
| 電源/接地方式 |                               | UL/IEC SPDタイプ |        | 型式                       | 製品番号    |
| 電圧      | UL 呼称 *                       | UL            | IEC T2 |                          |         |
| 960V AC | Corner Grounded               | 1             | ✓      | VAL-US-600D/30/2+0-FM    | 2910390 |
|         | High-Impedance and Ungrounded |               | ✓      | VAL-US-600D/30/3+0-FM    | 2910391 |
| 690V AC | Corner Grounded               | 1             | ✓      | VAL-US-480D/30/2+0-FM    | 2910385 |
|         | High-Impedance and Ungrounded |               | ✓      | VAL-US-480D/30/3+0-FM    | 2910386 |
| 480V AC | High Leg Delta                | 1             | ✓      | VAL-US-480HLD/30/3+1V-FM | 2910387 |
| 240V AC | Corner Grounded               | 1             | ✓      | VAL-US-240D/40/2+0-FM    | 2910369 |
|         | High-Impedance and Ungrounded |               | ✓      | VAL-US-240D/40/3+0-FM    | 2910370 |
|         | High Leg Delta                |               | ✓      | VAL-US-240HLD/40/3+1-FM  | 2910371 |

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