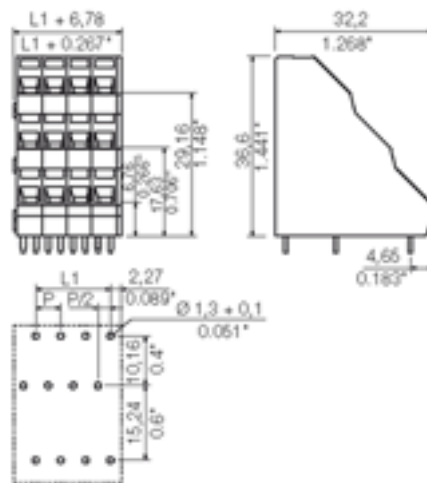




|                  |                                                                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1758040000                                                                                                                                    |
| Part designation | LM3RZF 5.08/21 3.5 OR                                                                                                                         |
| Version          | PCB terminal, Tension clamp connection,<br>Soldered connection, Clamping range, max.: 2.5<br>mm², Pitch: 5.08 mm, No. of poles: 21, 135°, Box |
| EAN              | 4032248102877                                                                                                                                 |
| Qty.             | 20 pc(s).                                                                                                                                     |

|                                 |                          |
|---------------------------------|--------------------------|
| Product family                  | System LM                |
| Conductor connection system     | Tension clamp connection |
| Fitted to PCB                   | Soldered connection      |
| Outgoing direction of conductor | 135°                     |
| Pitch                           | 5.08 mm                  |
| Pitch in inch                   | 0.2 inch                 |
| No. of poles                    | 21                       |
| Fitted by customer              | no                       |
| No. of rows                     | 3                        |
| Solder pin length               | 3.5 mm                   |
| Dia. of fitting hole            | 1.3 mm                   |
| Fitting hole tolerance          | + 0.1 mm                 |
| No. of solder pins per pole     | 1                        |
| Screwdriver blade               | 0.6 x 3.5                |

#### System parameters

|                                           |                        |
|-------------------------------------------|------------------------|
| Screwdriver blade standard                | DIN 5264-A             |
| Stripping length                          | 7.5 mm                 |
| L1 in mm                                  | 30.48 mm               |
| L1 in inch                                | 1.2 inch               |
| Electric shock protection to DIN VDE 0470 | IP 20                  |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PA                  |
| Colour                    | orange              |
| colour chart              | Similar to RAL 2000 |
| Insulating material group | I                   |
| Flammability class UL 94  | V-2                 |
| CTI                       | $\geq 600$          |
| Contact base material     | Copper alloy        |
| Contact surface           | tinned              |
| Storage temperature, min. | -25 °C              |
| Storage temperature, max. | 55 °C               |

#### Connectable conductors

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 2.5 mm <sup>2</sup>  |
| AWG, min.                                         | 24                   |
| AWG, max.                                         | 14                   |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 2.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 1.5 mm <sup>2</sup>  |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.25 mm <sup>2</sup> |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.25 mm <sup>2</sup> |
| w. plastic collar ferrule, DIN 46228 pt 4, max.   | 1.5 mm <sup>2</sup>  |
| Gauge to EN 60999 a x b; ø                        | 2.4 mm x 1.5 mm;     |

#### DIN IEC rating data

|                                                                                |       |
|--------------------------------------------------------------------------------|-------|
| Rated current, min. No. pins (Tu=20°C)                                         | 15 A  |
| Rated current, max. No. pins (Tu=20°C)                                         | 12 A  |
| Rated current, min. No. pins (Tu=40°C)                                         | 13 A  |
| Rated current, max. No. pins (Tu=40°C)                                         | 10 A  |
| Rated voltage for overvoltage class/pollution severity II/2                    | 630 V |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 kV  |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV  |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV  |

#### DIN IEC rating data

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 10 A  |
| AWG conductor (field wiring), min. | 24    |
| AWG conductor (field wiring), max. | 14    |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |
| AWG conductor, min.         | 24    |
| AWG conductor, max.         | 14    |

#### Approvals

Approvals institutes



#### Downloads

|                                       |            |
|---------------------------------------|------------|
| CAD Library (P-CAD Format - Standard) | LM3RZF.lib |
|---------------------------------------|------------|

#### Classifications

|            |          |
|------------|----------|
| ETIM 2.0   | NK       |
| ETIM 3.0   | EC001284 |
| eClass 4.1 | NK       |
| eClass 5.0 | NK       |
| eClass 5.1 | NK       |

#### Similar products

| Order No.  | Part designation      | Version                                                                                                                                              |
|------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1764910000 | LM3RZF 5.08/6 3.5 OR  | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 135°, Box  |
| 1764920000 | LM3RZF 5.08/9 3.5 OR  | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 135°, Box  |
| 1764930000 | LM3RZF 5.08/12 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 135°, Box |
| 1764940000 | LM3RZF 5.08/15 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 135°, Box |
| 1764950000 | LM3RZF 5.08/18 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 135°, Box |

|            |                       |                                                                                                                                                      |
|------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1764960000 | LM3RZF 5.08/24 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 135°, Box |
| 1764970000 | LM3RZF 5.08/27 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 27, 135°, Box |
| 1758030000 | LM3RZF 5.08/30 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 30, 135°, Box |
| 1764980000 | LM3RZF 5.08/33 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 33, 135°, Box |
| 1764990000 | LM3RZF 5.08/36 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 36, 135°, Box |
| 1758050000 | LM3RZF 5.08/48 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 48, 135°, Box |