

# BV4T003J

Motor Circuit Protector, TeSys BV4, high fault, 3.5A, 600Y/347 VAC, 21 to 49 instantaneous trip, up to 100kA SCCR



## Main

|                           |                          |
|---------------------------|--------------------------|
| Range                     | TeSys                    |
| Product name              | TeSys BV4                |
| Device short name         | BV4                      |
| Product or component type | Motor Circuit Protector  |
| Device application        | Motor                    |
| Performance level         | High performance         |
| Poles description         | 3P                       |
| Utilisation category      | Category A               |
| Trip unit technology      | Magnetic                 |
| Protection type           | Short-circuit            |
| Line Rated Current        | 3.5 A 104 °F (40 °C)     |
| Magnetic setting range    | 21...49 A 104 °F (40 °C) |
| Control type              | Toggle                   |

## Complementary

|                                |                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ue] rated operational voltage | 600Y/347 V AC 50/60 Hz                                                                                                                                                                                                                               |
| Mounting mode                  | By clips<br>By screws                                                                                                                                                                                                                                |
| Mounting support               | 35 mm symmetrical DIN rail<br>Plate<br>75 mm symmetrical DIN rail                                                                                                                                                                                    |
| Mechanical durability          | 40000 cycles                                                                                                                                                                                                                                         |
| Electrical durability          | 40000 Cycles AC-3 440 V In/2<br>40000 cycles AC-3 440 V In                                                                                                                                                                                           |
| Local signalling               | Presence of auxiliary contacts flag green)                                                                                                                                                                                                           |
| Number of slots                | 1 alarm switch fault signalling contact, plug-in<br>1 voltage release electrical remote tripping, plug-in<br>1 auxiliary switch open/close contact, plug-in                                                                                          |
| Connection pitch               | 1.06 in (27 mm)                                                                                                                                                                                                                                      |
| Electrical Connection          | 2 EverLink BTR screw connectors 0.00...0.11 in <sup>2</sup> (1.5...70 mm <sup>2</sup> ) AWG 14...AWG 2/0), solid copper<br>2 EverLink BTR screw connectors 0.00...0.08 in <sup>2</sup> (1.5...50 mm <sup>2</sup> ) AWG 6...AWG 1/0), flexible copper |
| Tightening torque              | 44.25 Lbf.in (5 N.m) 0.02 in <sup>2</sup> (10 mm <sup>2</sup> ) AWG 8)<br>79.66 lbf.in (9 N.m) 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) AWG 6)                                                                                                     |
| Wire stripping length          | 0.79 in (20 mm)                                                                                                                                                                                                                                      |
| Height                         | 6.38 in (162 mm)                                                                                                                                                                                                                                     |
| Maximum Width                  | 3.19 in (81 mm)                                                                                                                                                                                                                                      |
| Depth                          | 4.57 in (116 mm)                                                                                                                                                                                                                                     |
| Net Weight                     | 3.31 lb(US) (1.5 kg)                                                                                                                                                                                                                                 |
| Quantity per set               | 1                                                                                                                                                                                                                                                    |
| Color                          | Gray RAL 7016)                                                                                                                                                                                                                                       |

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## Environment

|                                       |                                                                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | UL 489<br>CSA C22.2 No 5                                                                                                                                          |
| Product certifications                | CSA<br>UL                                                                                                                                                         |
| IP degree of protection               | IP40 front face IEC 60529                                                                                                                                         |
| IK degree of protection               | IK07 conforming to IEC 62262                                                                                                                                      |
| Mechanical robustness                 | Vibrations: +/- 1 mm 2...13.2 Hz conforming to IEC 60068-2-6<br>Vibrations: 0.7 gn 13.2...100 Hz conforming to IEC 60068-2-6<br>Shocks 15 gn 11 ms IEC 60068-2-27 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                                                                                                                        |
| Ambient air temperature for storage   | -58...185 °F (-50...85 °C)                                                                                                                                        |
| Operating altitude                    | 6561.68 ft (2000 m) without derating<br>> 2000...5000 m with derating                                                                                             |

## Ordering and shipping details

|                       |                                            |
|-----------------------|--------------------------------------------|
| Category              | 01124 - TESYS BV4 MOTOR CIRCUIT PROTECTORS |
| Discount Schedule     | I11                                        |
| GTIN                  | 03606481328380                             |
| Nbr. of units in pkg. | 1                                          |
| Package weight(Lbs)   | 3.4 lb(US) (1.54 kg)                       |
| Returnability         | Yes                                        |
| Country of origin     | MX                                         |

## Offer Sustainability

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                             |
| REACH Regulation            |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive           | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free                | Yes                                                                                                                               |
| RoHS exemption information  |  <a href="#">Yes</a>                           |
| China RoHS Regulation       |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure    |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile         |  <a href="#">End Of Life Information</a>       |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.      |
| PVC free                    | Yes                                                                                                                               |
| Halogen content performance | Halogen free plastic parts product                                                                                                |

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