

# BV4T013J

Motor Circuit Protector, TeSys BV4, high fault, 13A, 600Y/347 VAC, 53 to 195 instantaneous trip, up to 100kA SCCR



## Main

|                           |                           |
|---------------------------|---------------------------|
| Range                     | TeSys                     |
| Product name              | TeSys 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        | 13 A 104 °F (40 °C)       |
| Magnetic setting range    | 53...195 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               | 75 mm symmetrical DIN rail<br>35 mm asymmetrical DIN rail<br>Plate                                                                                                                                                                                   |
| Mechanical durability          | 40000 cycles                                                                                                                                                                                                                                         |
| Electrical durability          | 40000 Cycles AC-3 440 V In/2<br>40000 cycles AC-3 440 V In                                                                                                                                                                                           |
| Local signalling               | For 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)                                                                                                                                                                                                                                     |
| Width                          | 3.19 in (81 mm)                                                                                                                                                                                                                                      |
| Depth                          | 4.57 in (116 mm)                                                                                                                                                                                                                                     |
| Net Weight                     | 3.31 lb(US) (1.5 kg)                                                                                                                                                                                                                                 |
| Color                          | Gray RAL 7016)                                                                                                                                                                                                                                       |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | UL 489<br>CSA C22.2 No 5                                                                                                            |
| Product certifications                | UL<br>CSA                                                                                                                           |
| IP degree of protection               | IP40 front face IEC 60529                                                                                                           |
| IK degree of protection               | IK07 IEC 62262                                                                                                                      |
| Mechanical robustness                 | Vibrations +/- 1 mm 2...13.2 Hz IEC 60068-2-6<br>Vibrations 0.7 gn 13.2...100 Hz 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                  | 3606489811037                            |
| Nbr. of units in pkg. | 1                                        |
| Package weight(Lbs)   | 3.79 lb(US) (1.72 kg)                    |
| Returnability         | Yes                                      |
| Country of origin     | MX                                       |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 4.29 in (10.9 cm) |
| Package 1 width        | 6.61 in (16.8 cm) |
| Package 1 Length       | 8.70 in (22.1 cm) |

## Offer Sustainability

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                        |
| 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                                                                                           |