

Product data sheet

Characteristics

BV4T080D

Motor Circuit Protector, TeSys BV4, standard fault, 80A, 600Y/347 VAC, 320 to 1150 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	Standard
Poles description	3P
Utilisation category	Category A
Trip unit technology	Magnetic
Protection Type	Short-circuit
Line Rated Current	80 A 104 °F (40 °C)
Magnetic setting range	320...1150 A 104 °F (40 °C)
Control Type	Toggle

Complementary

[Ue] rated operational voltage	600Y/347 V AC 50/60 Hz
Mounting Mode	By clips By screws
Mounting Support	75 mm symmetrical DIN rail 35 mm symmetrical DIN rail Plate
Mechanical durability	40000 cycles
Electrical durability	14000 Cycles AC-3 440 V In/2 7000 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 1 voltage release electrical remote tripping, plug-in 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 ² (1.5...70 mm ²) AWG 14...AWG 2/0, solid copper 2 EverLink BTR screw connectors 0.00...0.08 in ² (1.5...50 mm ²) AWG 6...AWG 1/0, flexible copper
Tightening torque	44.25 Lbf.In (5 N.m) 0.02 in ² (10 mm ²) (AWG 8) 79.66 lbf.in (9 N.m) 0.02 in ² (16 mm ²) (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)
Quantity per Set	1
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 CSA C22.2 No 5
Product Certifications	UL 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 Vibrations 0.7 gn 13.2...100 Hz IEC 60068-2-6 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 > 2000...5000 m with derating

Ordering and shipping details

Category	01124-TESYS BV4 MOTOR CIRCUIT PROTECTORS
Discount Schedule	I11
GTIN	3606481328359
Returnability	No
Country of origin	MX

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
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