



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
[In] rated current	12.5 A at 104 °F (40 °C)
Magnetic setting range	75...175 A at 40 °C
Control type	Toggle

Complementary

System Voltage	600Y/347 V AC 50/60 Hz
Mounting mode	By clips By screws
Mounting support	35 mm symmetrical DIN rail 75 mm symmetrical DIN rail Plate
Mechanical durability	40000 cycles
Electrical durability	40000 cycles AC-3 at 440 V In/2 40000 cycles for AC-3 at 440 V In
Local signalling	Flag, green, indicates presence of auxiliary contacts,
Number of slots	1 slot(s) for alarm switch for fault signalling contact, plug-in mounted 1 slot(s) for voltage release for electrical remote tripping, plug-in mounted 1 slot(s) for auxiliary switch for open/close contact, plug-in mounted
Connection pitch	1.06 in (27 mm)
Electrical Connection	EverLink BTR screw connectors, 1.5...70 mm ² , AWG 14...AWG 2/0, solid, 2 cable(s), copper EverLink BTR screw connectors, 1.5...50 mm ² , AWG 6...AWG 1/0, flexible, 2 cable(s), copper
Tightening torque	5 N.m for 10 mm ² , AWG 8 cable(s) 9 N.m for 16 mm ² , AWG 6 cable(s)

Disclaimer: 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

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)
Product weight	3.31 lb(US) (1.5 kg)
Quantity per set	1
Colour	Grey RAL 7016

Environment

Standards	UL 489 CSA C22.2 No 5
Product certifications	CSA UL
IP degree of protection	IP40 (front face) according to IEC 60529
IK degree of protection	IK07 according to IEC 62262
Mechanical robustness	Vibrations for 2...13.2 Hz, +/- 1 mm according to IEC 60068-2-6 Vibrations for 13.2...100 Hz, 0.7 gn according to IEC 60068-2-6 Shocks for 11 ms, 15 gn according to 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	> 2000...5000 m with derating 6561.68 ft (2000 m) without derating

Ordering and shipping details

Category	01124 - TESYS BV4 MOTOR CIRCUIT PROTECTORS
Discount Schedule	I11
GTIN	003606481328397
Nbr. of units in pkg.	1
Package weight(Lbs)	3.3999999999999999
Returnability	Y
Country of origin	MX