



Motor Starter Kit, TeSys, LC1D09B7 contactor, GV2P03 motor starter protector, 24 VAC 50/60 Hz coil, 0.25 to 0.40A trip

GV2P03KD09B7



Discontinued on: Aug 9, 2024

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	TeSys	
Product or Component Type	Motor starter	
Contactor application	Resistive load Motor control	
Utilisation category	AC-4 AC-1 AC-3	
Poles description	3P	
power pole contact composition	3 NO	
[Ue] rated operational voltage	Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC	
[le] rated operational current	9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 25 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit	
Motor power kW	2.2 kW at 220230 V AC 50/60 Hz (AC-3) 4 kW at 380400 V AC 50/60 Hz (AC-3) 4 kW at 415440 V AC 50/60 Hz (AC-3) 5.5 kW at 500 V AC 50/60 Hz (AC-3) 5.5 kW at 660690 V AC 50/60 Hz (AC-3) 2.2 kW at 400 V AC 50/60 Hz (AC-4)	
motor power HP (UL / CSA)	1 hp at 230/240 V AC 50/60 Hz for 1 phase motors 2 hp at 200/208 V AC 50/60 Hz for 3 phase motors 2 hp at 230/240 V AC 50/60 Hz for 3 phase motors 5 hp at 460/480 V AC 50/60 Hz for 3 phase motors 7.5 hp at 575/600 V AC 50/60 Hz for 3 phase motors 0.33 hp at 115 V AC 50/60 Hz for 1 phase motors	
Control circuit type	AC 50/60 Hz	
[Uc] control circuit voltage	24 V AC 50/60 Hz	
Auxiliary contact composition	1 NO + 1 NC	
[Uimp] rated impulse withstand voltage	6 kV IEC 60947	
Overvoltage category	III	
[Ith] conventional free air thermal current	25 A (at 140 °F (60 °C)) for power circuit 10 A (at 140 °F (60 °C)) for signalling circuit	
Irms rated making capacity	250 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1	
Rated breaking capacity	250 A at 440 V for power circuit conforming to IEC 60947	

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

[lcw] rated short-time withstand current	105 A 104 °F (40 °C) - 10 s for power circuit 210 A 104 °F (40 °C) - 1 s for power circuit 30 A 104 °F (40 °C) - 10 min for power circuit 61 A 104 °F (40 °C) - 1 min for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit	
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1 25 A gG at <= 690 V coordination type 1 for power circuit 20 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	2.5 mOhm - Ith 25 A 50 Hz for power circuit	
[Ui] rated insulation voltage	Power circuit 690 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 690 V IEC 60947-1 Signalling circuit 600 V CSA Signalling circuit 600 V UL	
Electrical durability	0.6 Mcycles 25 A AC-1 <= 440 V 2 Mcycles 9 A AC-3 <= 440 V	
Power dissipation per pole	1.56 W AC-1 0.2 W AC-3	
safety cover	With	
Mounting Support	Rail Plate	
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508	
Product Certifications	GL CSA GOST RINA LROS (Lloyds register of shipping) UL DNV BV CCC	
Connections - terminals	Power circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end Power circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without cable end Power circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end Power circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²)flexible with cable end Power circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end Power circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)solid without cable end Power circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)solid without cable end	
Tightening torque	Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2 Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2	

Operating time	1222 ms closing 419 ms opening	
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1	
Mechanical durability	15 Mcycles	
Maximum operating rate	3600 cyc/h 140 °F (60 °C)	
Trip unit rating	0.250.4 A	
Trip unit technology	Thermal-magnetic	
Phase failure sensitivity	Yes IEC 60947-4-1	
Suitability for isolation	Yes IEC 60947-1	

Complementary

Complementary		
Coil technology	Without built-in suppressor module	
Control circuit voltage limits	Drop-out 0.30.6 Uc AC 50/60 Hz 140 °F (60 °C)) Operational 0.81.1 Uc AC 50 Hz 140 °F (60 °C)) Operational 0.851.1 Uc AC 60 Hz 140 °F (60 °C))	
Inrush power in VA	70 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C)) 70 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C))	
Hold-in power consumption in VA	7.5 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 7 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))	
Heat dissipation	23 W 50/60 Hz	
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1	
Signalling circuit frequency	25400 Hz	
Minimum switching current	5 mA for signalling circuit	
Minimum switching voltage	17 V for signalling circuit	
Non-overlap time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact	
Insulation resistance	> 10 MOhm for signalling circuit	
Contact compatibility	M2	
motor power range	1.12 kW 200240 V 3 phase 2.23 kW 380440 V 3 phase 46 kW 380440 V 3 phase 46 kW 480500 V 3 phase	
Motor starter type	Direct on-line contactor	
Contactor coil voltage	24 V AC standard	
Utilisation category	AC-3 IEC 60947-4-1 Category A IEC 60947-2	
Network frequency	50/60 Hz IEC 60947-4-1	
Fixing mode	35 mm symmetrical DIN rail clipped Panel screwed with 2 x M4 screws)	
Operating position	Any position	
Motor power kW	0.09 kW 400/415 V AC 50/60 Hz	
Breaking capacity	100 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 100 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 100 kA Icu 440 V AC 50/60 Hz IEC 60947-2 100 kA Icu 500 V AC 50/60 Hz IEC 60947-2 100 kA Icu 690 V AC 50/60 Hz IEC 60947-2	

[lcs] rated service short-circuit breaking capacity	100 % 690 V AC 50/60 Hz IEC 60947-2 100 % 500 V AC 50/60 Hz IEC 60947-2 100 % 230/240 V AC 50/60 Hz IEC 60947-2 100 % 440 V AC 50/60 Hz IEC 60947-2 100 % 400/415 V AC 50/60 Hz IEC 60947-2	
Control Type	Rotary knob	
Line Rated Current	0.4 A	
Magnetic tripping current	5 A	
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2	
[Ui] rated insulation voltage	690 V AC 50/60 Hz IEC 60947-2	
[Ith] conventional free air thermal current	0.4 A IEC 60947-4-1	
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-2	
Power dissipation per pole	2.5 W	
Mechanical durability	100000 cycles	
Electrical durability	100000 cycles AC-3 440 V	
Maximum operating rate	25 cyc/h	
Rated duty	Continuous IEC 60947-4-1	
Direct connector	Without	
Connections - terminals	screw clamp terminals 2 0.0020.009 in² (16 mm²) solid screw clamp terminals 2 0.0020.009 in² (1.56 mm²) flexible without cable end screw clamp terminals 2 0.0020.006 in² (14 mm²) flexible with cable end	
Tightening torque	15.05 lbf.in (1.7 N.m) screw clamp terminals	

Environment

IP degree of protection	IP20 front face IEC 60529	
pollution degree	3	
Ambient air temperature for operation	23140 °F (-560 °C)	
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)	
Permissible ambient air temperature around the device	-40158 °F (-4070 °C) at Uc	
Operating altitude	9842.52 ft (3000 m) without derating	
Fire resistance	1562 °F (850 °C) IEC 60695-2-1	
Flame retardance	V1 conforming to UL 94	
Mechanical robustness	Vibrations contactor open2 Gn, 5300 Hz Vibrations contactor closed4 Gn, 5300 Hz Shocks contactor open10 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms	
Height	3.03 in (77 mm)	
Width	1.8 in (45 mm)	
Depth	3.4 in (86 mm)	
Product Weight	0.71 lb(US) (0.32 kg)	

Standards	NF C 63-120 IEC 60947-4-1 NF C 79-130 IEC 60947-2	
	NF C 63-650	
	CSA C22.2	
	VDE 0113	
	VDE 0660	
	EN 60204	
	IEC 60947-1	
	UL 508	
Product certifications	EZU	
	ATEX	
	EAC	
	UL	
	TSE	
	CCC	
	RINA	
	LROS (Lloyds register of shipping)	
	BV	
	GL	
	CSA	
	UL 508 type E	
	DNV	
Protective treatment	TH	
Climatic withstand	IACS E10	
IK degree of protection	IK04	
IP degree of protection	IP20 IEC 60529	
Ambient air temperature for operation	-4140 °F (-2060 °C)	
Operating altitude	6561.68 ft (2000 m)	
Ambient air temperature for storage	-40176 °F (-4080 °C)	
Height	3.5 in (89 mm)	
Width	1.8 in (45 mm)	
Depth	3.8 in (97 mm)	

Ordering and shipping details

Category	US10I1122368	
Discount Schedule	0111	
GTIN	3606486287705	
Returnability	No	
Country of origin	US	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.03 in (7.7 cm)
Package 1 Width	1.77 in (4.5 cm)
Package 1 Length	3.39 in (8.6 cm)
Package 1 Weight	24.160 oz (684.925 g)



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	C4def605-9cda-4bdf-968e-80f8fb87f293
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov