

Voltage Trips

Table 18.127: Voltage Trips



GVAU116

Only one trip or fault signaling contact can be installed per GV2/GV3 device.

Description	Characteristics	Voltage	Frequency	Cat. No.[36]
Voltage trips GV2 or GV3P	Undervoltage or Shunt trip (external mounting, 1 block right side only)	24 V	50 Hz	GVA●025
			60 Hz	GVA●026
		48 V	50 Hz	GVA●055
			60 Hz	GVA●056
		100–110 V	50/60 Hz	GVA●107
		110–115 V	50 Hz	GVA●115
			60 Hz	GVA●116
		120–127 V	50 Hz	GVA●125
		127 V	60 Hz	GVA●115
		200 V	50 Hz	GVA●207
		200–220 V	60 Hz	GVA●207
		220–240 V	50 Hz	GVA●225
			60 Hz	GVA●226
		380–400 V	50 Hz	GVA●385
			60 Hz	GVA●386
		415–440 V	50 Hz	GVA●415
		415 V	60 Hz	GVA●416
		440 V	60 Hz	GVA●385
480 V	60 Hz	GVA●415		
500 V	50 Hz			
600 V	60 Hz	GVA●505		

Table 18.128: Voltage Trips—Technical Data (GV2AU, GV2AS)

Rated Voltage—660 Vac					
Model	Inrush	Sealed	Pick-Up Voltage	Drop-Out Voltage	Operating Time[37]
GVAU	12 VA / 8 W	3.5 VA / 1.1 W	0.8–1.1	0.35–0.7	10–15 ms
GVAS	14 VA / 10.5 W	5 VA / 1.6 W	0.7–1.1	0.2–0.75	10–15 ms

Table 18.129: Auxiliary Contact Blocks[38]



GVAE11

Description	Mounting Location	Max. No. of Blocks	Contact Type	Sold in lots of	Cat. No.
Instantaneous auxiliary contacts GV2 or GV3P	Front[39][40]	1	N.O. or N.C.[41]	1	GVAE1
			N.O. + N.C.	10	GVAE11[42]
	N.O. + N.O.	1	GVAE20[42]		
Fault signaling contact + instantaneous auxiliary contact GV2 or GV3P	Left Hand Side	2	N.O. + N.C.	1	GVAN11[42]
			N.O. + N.O.	1	GVAN20[42]
	Left Hand Side [43]	1	N.O. (fault) + N.O.	1	GVAD1010
			N.O. (fault) + N.C.	1	GVAD1001
Short circuit signaling contact GV2 or GV3P	Left Hand Side	1	N.C. (fault) + N.O.	1	GVAD0110
			N.C. (fault) + N.C.	1	GVAD0101
Short circuit signaling contact GV2 or GV3P	Left Hand Side	1	SPDT	1	GVAM11

Table 18.130: GV3P Accessories



GVAD0101

GVAN11

Accessory	Application / Use With	Standard Pack	Cat. No.
Through-the-door operating mechanism kits	NEMA 1, 12, Black with trip indication, for use with GV3P	1	GV3APN01
	NEMA 1, 12, Red/Yellow, with trip indication, for use with GV3P	1	GV3APN02
	NEMA 3R, 4, 4X Red/Yellow without trip indication, for use with GV3P	1	GV3APN04
Angle bracket	Operating mechanism support shaft for deep enclosures (≥ 300 mm), for use with GV3P	1	GVAPK12
Mounting bracket	Mounting bracket for installing GV3P operating mechanism	1	GVAPH03
3-pole, 115 A busbar	For feeding 2 GV3P starters, 64 mm pitch	1	GV3G264
	For feeding 3 GV3P starters, 64 mm pitch	1	GV3G364
Incoming line spacer	Line spacer for GV3P when used in UL 508 Type E applications. One spacer required on line side.	1	GV3G66
IP 20 cover	IP20 protective cover for ring tongue versions of GV3P and 3-pole TeSys D Everlink contactors. Two covers required for line and load side.	1	LAD96570
Padlocking device	For use with up to 4 padlocks (not supplied), Ø 6 mm shank maximum	1	GV2V03
Operating mechanism short shaft	One-piece short shaft for installing operating mechanisms in shallow enclosures, for use with GV2P, GV3P and TeSys U	1	GVAPA2
SoLink non-reversing communications link	Connection module for directly mounted GV3 and TeSys D contactor to PLC	5	LAD5C31
SoLink reversing communications link	Connection module for directly mounted GV3 and reversing TeSys D contactor to PLC	3	LAD5C32
Laser tool	Laser tool for installing through-the-door kits	1	GVAPL01
S-shaped busbar	For connecting GV3P starters and LC1D40A-65A contactors side by side without intrawiring	1	GV3S

[36] To order an undervoltage trip: replace the bullet (●) with a U (for example, GVAU025).

To order a shunt trip: replace the bullet (●) with an S (for example, GVAS025).

[37] From the loss of voltage at the trip terminals to the opening of the starter contacts.

[38] One trip or one fault signaling can be fitted per GV3.

[39] Cannot be used with GV2GH7 insulator.

[40] Mounting of a GVAE contact block or a GV2AK00 visible isolation block on GV2P.

[41] Choice of N.C. or N.O. contact operation, depending on which way the reversible block is mounted.

[42] For spring terminals, add 3 to the catalog number (for example, GVAE113).

[43] The GVAD is always mounted next to the starter.