

EverLink®: a strong, safe and long lasting power connection

EverLink®, the new patented terminal technology, assures a **permanent tightening quality** of the cable conductors. Even in the event of conductor creep*, the connection force on the cables is assured due to the spring effect of the power connectors.

The advantages of the EverLink® connection are:

- Reduced maintenance time, due to terminal re-tightening being no longer required.
- Safety of the connections, provided by the BTR screw and the 4 mm Allen key which enables a high tightening torque (5 N.m min.)
- Operator safety due to the IP20 protection against direct contact.

*Creep: deformation of the copper conductors over time leading to loss of tightness

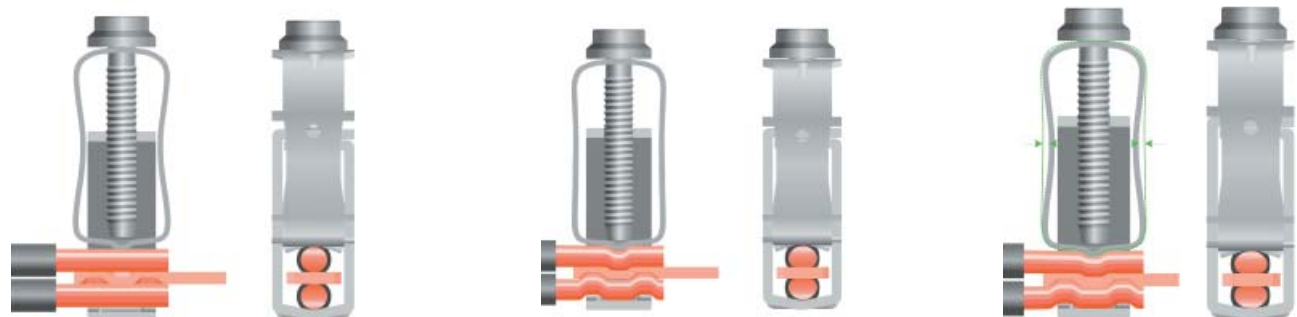
EverLink®
Long lasting connection quality

A Schneider Electric patented technology

Possible to connect 2 cables of different cross-sectional areas.

Maintaining of cables assured by pressure of spring and crimping of conductor on the contact plate.

The spring compensates for cable conductor creep. Tightening force is assured.



Regular maintenance due to conductor creep no longer required

The efficiency of Telemecanique branded solutions

When combined, Telemecanique products offer quality solutions for all **Automation** and **Control** functions of your applications.



A unique partner, a global presence

Constantly available worldwide.

- More than 5,000 points of sale in 130 countries.
- You can be sure to find the range of products that meets your needs and complies fully with the standards in the country in which they will be used.

Technical assistance wherever you are

- Our technicians are at your disposal to assist you in finding the optimum solution for your particular needs.
- Schneider Electric provides you with all necessary technical assistance throughout the world.

www.telemecanique.com

Simply Smart!

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Telemecanique circuit-breakers TeSys GV2 - GV3 A stronger, safer and long-term connection



Simply Smart

More **ingenuity** and intelligence for continually improving **ease of use**.

An enhanced and high performance offer

- 2 products: thermo-magnetic circuit-breakers GV3 P and magnetic circuit-breakers GV3 L.
- Control and protection of motors from 5.5 kW to 30 kW.
- IEC 947 and UL 508 type E certification (GV3 P).
- Ring terminal product version designed for the asian market and specific applications.



This product is manufactured in conformity with the requirements of the RoHS (Restriction of Hazardous Substances) European Directive.

Increased security and protection

- High breaking capacity: 50 kA/400 V from 40 to 65 A and 100 kA/400 V from 9 to 32 A.
- 3-position, padlockable, rotary knob.
- Trip test button on front face.
- Sealable flap for protection of thermal setting.
- IP65 enclosure fitted to GV3 P.



GV3 renews the TeSys circuit-breaker range

Renowned for extensive experience in the development of motor starter solutions, **Telemecanique** renews its range of 9 to 65 A circuit-breakers. Ingenuity and simplicity are the key words of this new range: thanks to its new EverLink® power terminals, the new range of GV3 circuit-breakers assures **improved reliability of connections over time**. EverLink® is designed to maintain a constant tightening force on the cables and assures a **strong, safe and long lasting connection in the most demanding environments...**



Astute and versatile design

- Flexibility using add-on blocks and front add-on blocks that are common throughout the 0 to 65 A GV2-GV3 range.
- More compact, only 55 mm wide.
- Simple and secure terminal tightening using a 4 mm Allen key.
- Easier installation on DIN rail thanks to locking mechanism.
- Clean wiring and space saving thanks to wire channel for control cable connection.

a brand of
Schneider Electric

Telemecanique

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Telemecanique circuit-breakers

TeSys GV2 / GV3



Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	0.06 kW	0.09 kW	0.12...0.18 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-
690 V	P	-	-	0.37 kW	> 100 kA	> 100 kA
Breaking capacity	Icu	-	-	-	-	-
Setting range of thermal trips		0.1...0.16 A	-	0.16...0.25 A	0.25...0.40 A	0.40...0.63 A
Magnetic tripping current		1.5 A	-	2.4 A	5 A	8 A
Thermal-magnetic circuit-breaker with screw terminals	GV2 ME01	GV2 P01	GV2 ME02	GV2 P02	GV2 ME03	GV2 P03
Thermal-magnetic circuit-breaker with spring terminals	GV2 ME013	-	GV2 ME023	-	GV2 ME033	-
Thermal-magnetic circuit-breaker with ring terminals	GV2 ME016	-	GV2 ME026	-	GV2 ME036	-



Pushbutton control (GV2 ME), rotary knob control (GV2 P)



Rocker lever control (GV2 LE), rotary knob control (GV2 L)

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	0.06...0.09 kW	0.12...0.18 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA
500 V	P	-	-	-	-
Breaking capacity	Icu	-	-	-	-
690 V	P	-	-	0.37 kW	> 100 kA
Breaking capacity	Icu	-	-	-	-
Magnetic protection rating		0.4 A	-	0.63 A	8 A
Tripping current Id +/- 20%		5 A	-	8 A	22.5 A
Magnetic circuit-breaker with screw terminals	GV2 LE03	GV2 L03	GV2 LE04	GV2 L04	



TeSys GV3

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	11 kW	15 kW	18.5 kW	22 kW	30 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-	-	-
690 V	P	-	-	6 kA	6 kA	6 kA	6 kA	6 kA
Breaking capacity	Icu	-	-	-	-	-	-	-
Setting range of thermal trips		1.1 kW	-	1.5 kW	2.2 kW	3...4 kW		
Magnetic tripping current		1.1 kW	-	1.5 kW	2.2 kW	3...4 kW		
EverLink™ terminal thermal-magnetic circuit-breaker	GV3 P13	GV3 P18	GV3 P25	GV3 P32	GV3 P40	GV3 P50	GV3 P65	
Ring terminals thermal-magnetic circuit-breaker	GV3 P136	GV3 P186	GV3 P256	GV3 P326	GV3 P406	GV3 P506	GV3 P656	



Rotary knob control

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	11 kW	15 kW	18.5 kW	22 kW	30 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-	-	-
690 V	P	-	-	6 kA	6 kA	6 kA	6 kA	6 kA
Breaking capacity	Icu	-	-	-	-	-	-	-
Setting range of thermal trips		1.1 kW	-	1.5 kW	2.2 kW	3...4 kW		
Magnetic tripping current		1.1 kW	-	1.5 kW	2.2 kW	3...4 kW		
EverLink™ terminal thermal-magnetic circuit-breaker	GV3 P13	GV3 P18	GV3 P25	GV3 P32	GV3 P40	GV3 P50	GV3 P65	
Ring terminals thermal-magnetic circuit-breaker	GV3 P136	GV3 P186	GV3 P256	GV3 P326	GV3 P406	GV3 P506	GV3 P656	

GV3ME thermal-magnetic circuit-breaker substitution table		Power, 400 V	Range to substitute	I _r	I _{cu} / 400 V	Substitution range	I _r	I _{cu} / 400 V
0.55 kW	GV3ME06	1...1.6 A	100 kA	GV2P06	1...1.6 A	>100 kA		
0.75 kW	GV3ME07	1.6...2.5 A	100 kA	GV2P07	1.6...2.5 A	>100 kA		
1.5 kW	GV3ME08	2.5...4 A	100 kA	GV2P08	2.5...4 A	>100 kA		
2.2 kW	GV3ME10	4...6 A	100 kA	GV2P10	4...6 A	>100 kA		
4 kW	GV3ME14	6...10 A	100 kA	GV2P14	6...10 A	>100 kA		
5.5 kW	GV3ME20	10...16 A	100 kA	GV3P13	9...13 A	100 kA		
7.5 kW	GV3ME20	10...16 A	100 kA	GV3P18	12...18 A	100 kA		
11 kW	GV3ME25	16...25 A	100 kA	GV3P25	17...25 A	100 kA		
15 kW	GV3ME40	25...40 A	35 kA	GV3P32	23...32 A	100 kA		
18.5 kW	GV3ME40	25...40 A	35 kA	GV3P40	30...40 A	50 kA		
22 kW	GV3ME63	40...63 A	35 kA	GV3P50	37...50 A	50 kA		
30 kW	GV3ME63	40...63 A	35 kA	GV3P65	48...65 A	50 kA		

GK3EF magnetic circuit-breaker substitution table		Power, 400 V	Range to substitute	I _{cu} / 400 V	Substitution range	I _e	I _{cu} / 400 V
11 kW	GK3EF40	50 kA	100 kA	GV3L25	25 A	100 kA	
15 kW	GK3EF40	50 kA	100 kA	GV3L32	32 A	100 kA	
18.5 kW	GK3EF40	50 kA	100 kA	GV3L40	40 A	50 kA	
22 kW	GK3EF65	35 kA	50 kA	GV3L50	50 A	50 kA	
30 kW	GK3EF65	35 kA	50 kA	GV3L65	65 A	50 kA	

GK3EF magnetic circuit-breaker substitution table		Power, 400 V	Range to substitute	I _{cu} / 400 V	Substitution range	I _e	I _{cu} / 400 V
11 kW	GK3EF40	50 kA	100 kA	GV3L25	25 A	100 kA	
15 kW	GK3EF40	50 kA	100 kA	GV3L32	32 A	100 kA	
18.5 kW	GK3EF40	50 kA	100 kA	GV3L40	40 A	50 kA	
22 kW	GK3EF65	35 kA	50 kA	GV3L50	50 A	50 kA	
30 kW	GK3EF65	35 kA	50 kA	GV3L65	65 A	50 kA	

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	11 kW	15 kW	18.5 kW	22 kW	30 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-	-	-
690 V	P	-	-	6 kA	6 kA	6 kA	6 kA	6 kA
Breaking capacity	Icu	-	-	-	-	-	-	-
Magnetic protection rating		0.4 A	-	0.63 A	8 A	22.5 A		
Tripping current Id +/- 20%		5 A	-	8 A	22.5 A			
Magnetic circuit-breaker with screw terminals	GV2 LE03	GV2 L03	GV2 LE04	GV2 L04				

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	11 kW	15 kW	18.5 kW	22 kW	30 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-	-	-
690 V	P	-	-	6 kA	6 kA	6 kA	6 kA	6 kA
Breaking capacity	Icu	-	-	-	-	-	-	-
Magnetic protection rating		0.4 A	-	0.63 A	8 A	22.5 A		
Tripping current Id +/- 20%		5 A	-	8 A	22.5 A			
EverLink™ terminal magnetic circuit-breaker	GV3 L25	GV3 L32	GV3 L40	GV3 L50	GV3 L65			
Ring terminals magnetic circuit-breaker	GV3 L256	GV3 L326	GV3 L406	GV3 L506	GV3 L656			

TeSys GV3

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	11 kW	15 kW	18.5 kW	22 kW	30 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-	-	-
690 V	P	-	-	6 kA	6 kA	6 kA	6 kA	6 kA
Breaking capacity	Icu	-	-	-	-	-	-	-
Magnetic protection rating		0.4 A	-	0.63 A	8 A	22.5 A		
Tripping current Id +/- 20%		5 A	-	8 A	22.5 A			
EverLink™ terminal magnetic circuit-breaker	GV3 L25	GV3 L32	GV3 L40	GV3 L50	GV3 L65			
Ring terminals magnetic circuit-breaker	GV3 L256	GV3 L326	GV3 L406	GV3 L506	GV3 L656			



Rotary knob control

Standard power ratings of 3-phase 50/60Hz motors in category AC-3		400/415 V	P	11 kW	15 kW	18.5 kW	22 kW	30 kW
Breaking capacity	Icu	> 100 kA	-	> 100 kA	> 100 kA	> 100 kA	> 100 kA	> 100 kA
500 V	P	-	-	-	-	-	-	-
Breaking capacity	Icu	-	-	-	-	-	-	-
690 V	P	-	-	6 kA	6 kA	6 kA	6 kA	6 kA
Breaking capacity	Icu	-	-	-	-	-	-	-
Magnetic protection rating		0.4 A	-	0.63 A	8 A	22.5 A		
Tripping current Id +/- 20%		5 A	-	8 A	22.5 A			
EverLink™ terminal magnetic circuit-breaker	GV3 L25	GV3 L32	GV3 L40	GV3 L50	GV3 L65			
Ring terminals magnetic circuit-breaker	GV3 L256	GV3 L326	GV3 L406	GV3 L506	GV3 L656			

Add-on blocks common to TeSys GV2-GV3

CONTACT BLOCKS		N/O or N/C	N/O + N/C	N/O + N/O	
Instantaneous auxiliary contacts	-	-	GVAN11 ⁽¹⁾	GVAN20 ⁽¹⁾	
Mounting position	Left-hand side	-	GVAE11 ⁽¹⁾	GVAE20 ⁽¹⁾	
	Front	GVAE1	GVAE11 ⁽¹⁾	GVAE20 ⁽¹⁾	
(1) For spring terminal version add 3 to the end of the reference, example: GVAN11 becomes GVAN113					
Fault contact + instantaneous auxiliary contact		N/O (fault) + N/C	N/O (fault) + N/O	N/C (fault) + N/C	N/C (fault) + N/O
Mounting position	Left-hand side	GVAD1001	GVAD1010	GVAD0101	GVAD0110
Short-circuit signalling contact		C/O with common point			
Mounting position	Left-hand side	GVAM11			

ELECTRIC TRIPS		Undervoltage trip	Shunt trip
Type of trip	Right-hand side	50 Hz	60 Hz
Mounting position	Right-hand side	24 V	60 Hz
		48 V	60 Hz
		100 V	60 Hz
		100...120 V	60 Hz
		110...115 V	60 Hz
		120...127 V	60 Hz
		127 V	60 Hz
		200 V	60 Hz
		200...220 V	60 Hz
		220...240 V	60 Hz
		380...400 V	60 Hz
		415...440 V	60 Hz
		415 V	60 Hz
PADLOCKING DEVICE		(not included) Ø 6 mm shank max.	
For up to 4 padlocks		GV2V03	
GV2ME/P/L - GV3P/L		GV2V03	

TeSys GV2 add-on blocks and accessories

COMBINATION BLOCKS		LC1K or LP1K	LC1D09...D38	LAD31 AND LC1D09...D38
For mounting on contactors		GV2AF01	GV2AF3	GV2AF4
SET OF 3-POLE 63 A BUSBARS				
Number of combined circuit-breakers	2	3	4	5
Bar pitch ⁽¹⁾	45 mm	54 mm	72 mm	
	45 mm	54 mm	72 mm	
	72 mm			
(1) Protective end cover for unused busbar outlets, reference: GV1G10				
TERMINAL BLOCKS		Connection from the top		For current limiter GV1L3
For supply to one or more busbar sets		GV2G09		GV2G05
PADLOCKABLE EXTERNAL OPERATOR		Black handle/blue legend plate		Red handle/yellow legend plate
Colour of operator	-	GV2AP01		-
GV2P/L Padlocking	In "ON" and "OFF" position	GV2AP01		-
	In "OFF" position	GV2AP02		-
GV2LE Padlocking	In "ON" and "OFF" position	GV2AP03		-

TeSys GV3 add-on blocks and accessories

CONTACT BLOCKS		N/O (fault) + N/C	N/O (fault) + N/O
Fault contact + instantaneous auxiliary contact	-	GVAE11 ⁽¹⁾	GVAE101 ⁽¹⁾
Mounting position	Front	GVAE11 ⁽¹⁾	GVAE101 ⁽¹⁾
(1) For spring terminal version add 3 to the end of the reference, example: GVAE11 becomes GVAE113			
SET OF 3-POLE 115 A BUSBARS			
Number of combined circuit-breakers	3		
Bar pitch	64 mm		</