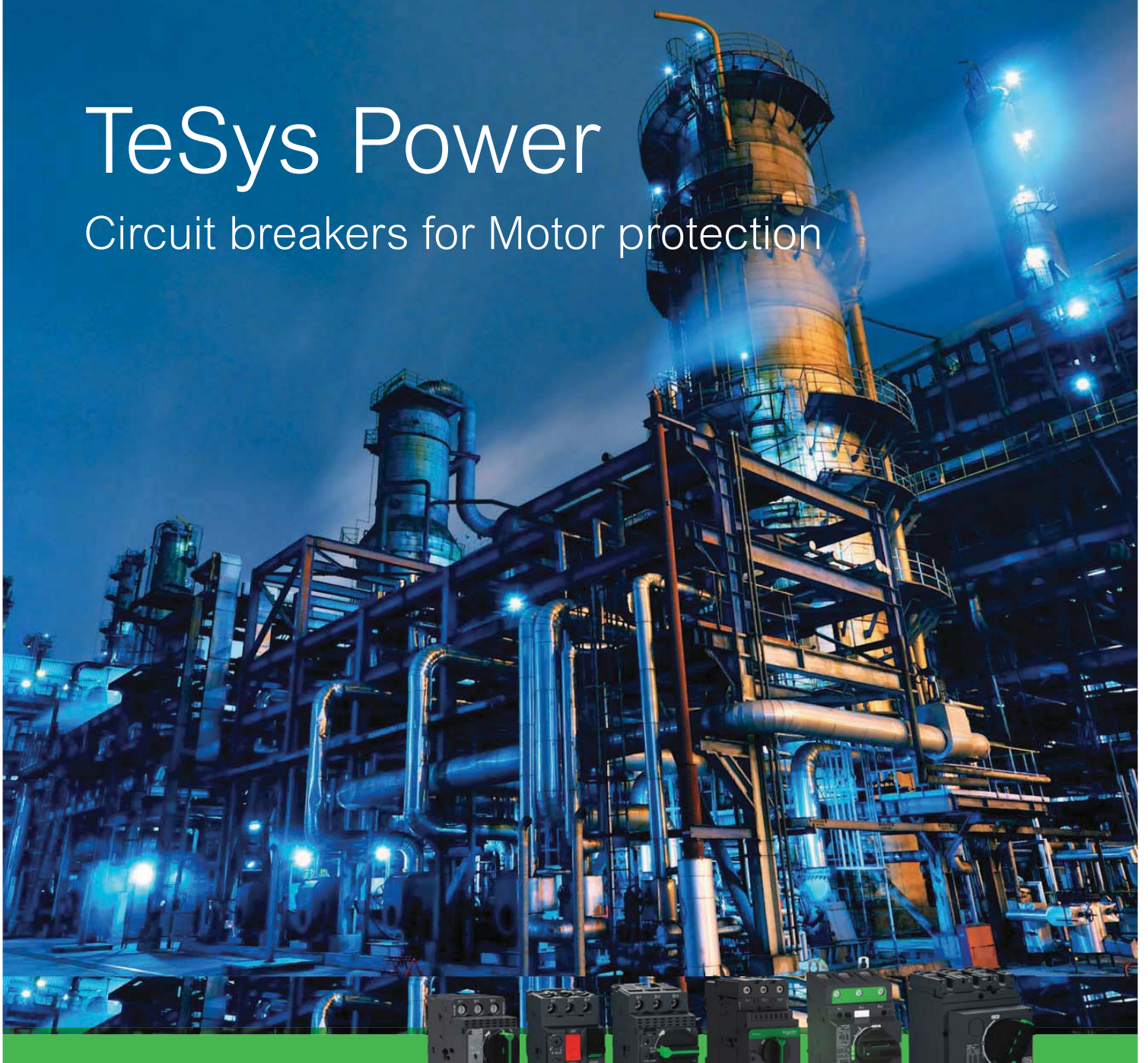


TeSys Power

Circuit breakers for Motor protection



Circuit breakers for motor protection and control

TeSys Deca and TeSys Giga Circuit Breakers provide compact, reliable and efficient solutions:

- Isolation
- Protection against short circuits and overloads
- Control of motors from 0.06 to 250 kW.
- Conforming to global standards.(IEC/EN/UL/CSA)



For more information
on motor protection
circuit breakers

se.com/in/TeSys

TeSys Power

Circuit Breakers for Motor Protection

Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4
- Magnetic circuit breakers range from 0.1-80 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories

Thermal Magnetic Circuit Breaker



- Conformance to IEC 60947 -1,-2,-4, conformity to International Standards - UL, CSA, CE
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

Breaking Capacity at 415V 50Hz	Motor Power AC-3**		Magnetic Protection Rating (A)	Reference	Unit MRP [₹]
	kW	HP			
With Rocker Lever Control (Economy)*					
100kA	0.09	-	0.4	GV2LE03	5530
	0.18	-	0.63	GV2LE04	5530
	0.37	0.5	1	GV2LE05	5530
	0.55	-	1.6	GV2LE06	5530
	1.1	1.5	2.5	GV2LE07	5530
	1.5	2	4	GV2LE08	5530
	2.2	3	6.3	GV2LE10	5530
15kA	3	5.5	10	GV2LE14	5530
	5.5	7.5	14	GV2LE16	5530
	7.5	10	18	GV2LE20	6420
10kA	11	15	25	GV2LE22	6420
	15	20	32	GV2LE32	10905
With Rotary Handle Control*					
100kA	0.09	-	0.4	GV2L03	6345
	0.18	-	0.63	GV2L04	6345
	0.37	0.5	1	GV2L05	6345
	0.55	-	1.6	GV2L06	6345
	1.1	1.5	2.5	GV2L07	6345
	1.1	2	4	GV2L08	6345
	2.2	3	6.3	GV2L10	6345
50kA	4	5.5	10	GV2L14	6345
	5.5	7.5	14	GV2L16	6345
	7.5	10	18	GV2L20	6345
	11	15	25	GV2L22	6345
50kA	15	20	32	GV2L32	6345
	18.5	25	40	GV3L40	17725
	22	29	50	GV3L50	18140
	30	40	65	GV3L65	18535
	37	50	73	GV3L73	20955
With Toggle Control					
50kA	37	50	80	GV4LE80N6	18105
	55	74	115	GV4LE115N6	18105
	75	101	150	C16N3MA150	On Request
	110	147	220	C25N3MA220	On Request
	160	214	320	C40N31M320	On Request
	200	268	500	C63N31M500	On Request

* Conforming to IEC 60947-2-3-4

** 50/60Hz - 415V

- GV2-L with the TeSys Deca contactor and LRD overload relay provides Type 2 Co-ordination

** 50/60Hz - 415V

(1) With GV1-L3 current limiter, breaking capacity can be increased to 100kA. Combination of the GV2-M with the TeSys Deca provides Type 2 Co-ordination.

(2) With GV1-L3 current limiter, breaking capacity can be increased to 100kA. Combination of the GV2-P with the TeSys Deca provides Type 2 Co-ordination.

Breaking Capacity at 415V 50Hz	Motor Power AC-3**		Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
	kW	HP			
With Push Button Control (Economy)					
100kA	-	-	0.1 - 0.16	GV2ME01	5740
	0.06	-	0.16 - 0.25	GV2ME02	5740
	0.09	-	0.25 - 0.40	GV2ME03	5740
	0.18	-	0.40 - 0.63	GV2ME04	6110
	0.37	0.5	0.63 - 1.0	GV2ME05	6110
	0.55	0.75	1.0 - 1.6	GV2ME06	6245
	0.75	1	1.6 - 2.5	GV2ME07	6245
15kA ⁽¹⁾	1.1	2	2.5 - 4	GV2ME08	6460
	2.2	3	4 - 6.3	GV2ME10	6460
	3	5.5	6 - 10	GV2ME14	6460
15kA ⁽¹⁾	5.5	7.5	9 - 14	GV2ME16	7240
	7.5	10	13 - 18	GV2ME20	7790
	9	12.5	17 - 23	GV2ME21	8320
10kA ⁽¹⁾	11	15	20 - 25	GV2ME22	8320
	15	20	24 - 32	GV2ME32	13475
With Rotary Handle Control					
100kA	-	-	0.1 - 0.16	GV2P01	5615
	0.06	-	0.16 - 0.25	GV2P02	5615
	0.09	-	0.25 - 0.40	GV2P03	5615
	0.18	-	0.40 - 0.63	GV2P04	6435
	0.37	0.5	0.63 - 1.0	GV2P05	6435
	0.55	0.75	1.0 - 1.6	GV2P06	6435
	0.75	1	1.6 - 2.5	GV2P07	6435
	1.1	2	2.5 - 4	GV2P08	6635
	2.2	3	4 - 6.3	GV2P10	6635
	3	5.5	6 - 10	GV2P14	7080
	5.5	7.5	9 - 14	GV2P16	8695
	7.5	10	13 - 18	GV2P20	10035
	9	12.5	17 - 23	GV2P21	10035
	11	15	20 - 25	GV2P22	10035
35kA ⁽²⁾	15	20	24 - 32	GV2P32	16915
	18.5		30...40	GV3P40	19950
	22		37...50	GV3P50	24740
50kA	30		48...65	GV3P65	25375
	37		62...73	GV3P73	25935
With Toggle Control					
50kA	37	49.58	40...80	GV4PE80N6	23470
	55	73.7	65...115	GV4PE115N6	23470
With Direct Rotary Handle					
70kA	75	101	70...150	GV5P150H	47730
	110	147	100...220	GV5P220H	55680
	160	214	160...320	GV6P320H	71600
	200	268	250...500	GV6P500H	98645

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

✓ NORMAL STOCK ITEMS

W.E.F. January 17th, 2024

TeSys Power

Circuit Breakers for Motor Protection

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]	
For GV2			
Front contact NO or NC ⁽¹⁾	GVAE1	1195	
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	1465	
	GVAE20	1615	
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	1765	
	GVAN20	1765	
Fault signalling contact + 1NO contact ⁽²⁾	GVAD1010 <input checked="" type="checkbox"/>	2300	
Fault signalling contact + 1NC contact ⁽²⁾	GVAD1001	2300	
Short circuit signalling contact block 1 C/O	GVAM11	2195	
Under voltage trip	110 ... 115V 50Hz	GVAU115	4735
	220 ... 240V 50Hz	GVAU225	4200
	380 ... 400V 50Hz	GVAU385	4200
Shunt trip	110 ... 115V 50Hz	GVAS115	4200
	220 ... 240V 50Hz	GVAS225	4200
	380 ... 400V 50Hz	GVAS385	4200
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P	GV1L3	6775	
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	820	
Connection block - LS1 D32 or GV2 with Contactor LC1-K or LP1-K	GV2AF01	890	
Empty enclosure for GV2ME - plastic	GV2MP02	3905	
	GV2MC02	4290	

(1) Choice of NC or NO contact operation depending on which way round the reversible block is mounted.

(2) The GV-AD is always mounted next to the circuit breaker.

Busbars

Connection Pitch	No. of Tapoff Points	Reference	Unit MRP [₹]
For GV2			
45 mm	2	GV2G245	2300
	4	GV2G445	3620
	2	GV2G254	2100
54 mm	3	GV2G354	2360
	4	GV2G454	2955
	5	GV2G554	3200
72 mm	4	GV2G472	3620

Description	Reference	Unit MRP [₹]
Accessories for Busbars		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	4535
Protective end covers for unused busbar outlets	GV1G10	800
Terminal block for connection from top	GV1G09	2370

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
For GV2-P/GV2-L		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	4165
External operator - IP54, Yellow/Red	GV2APN02	7755
For GV3P/GV3L		
Auxiliary Contacts		
Front contact: 1 NO (fault) + 1NC (Auxiliary)	GVAED011	1520
Front contact: 1 NO (fault) + 1NO (Auxiliary)	GVAED101	1670
Busbar		
3-pole, 3 tap, 64 mm pitch	GV3G364	2210
S-shape bus bar	GV3S	1655
External Operator		
IP54, Black	GV3APN01	5025
IP54, Yellow/Red	GV3APN02	4865

Note: All other accessories are same as of GV2.

Busbars GV3G364 and GV3S are not compatible with GV3*73 and GV3*80.

Description	Operating Voltage	Reference	Unit MRP [₹]
For GV5 and GV6			
Clip-on connector - upto 150 A - 1.5..95 mm ²	-	GV7AC021	1445
Clip-on connector- upto 220 A - 1.5..185 mm ²	-	GV7AC022	1990
Front rotary handle			
GV7AP GV7R - black handle ⁽²⁾		GV7AP01	10470
Terminal shields IP405 ⁽¹⁾	-	GV7AC01	3725

(1) Terminal shields cannot be used together with spreaders.

(2) For mounting direct rotary handle on enclosure door.

This accessory makes it possible to open the door if the device is closed and prevents the device from being closed if the door is open.

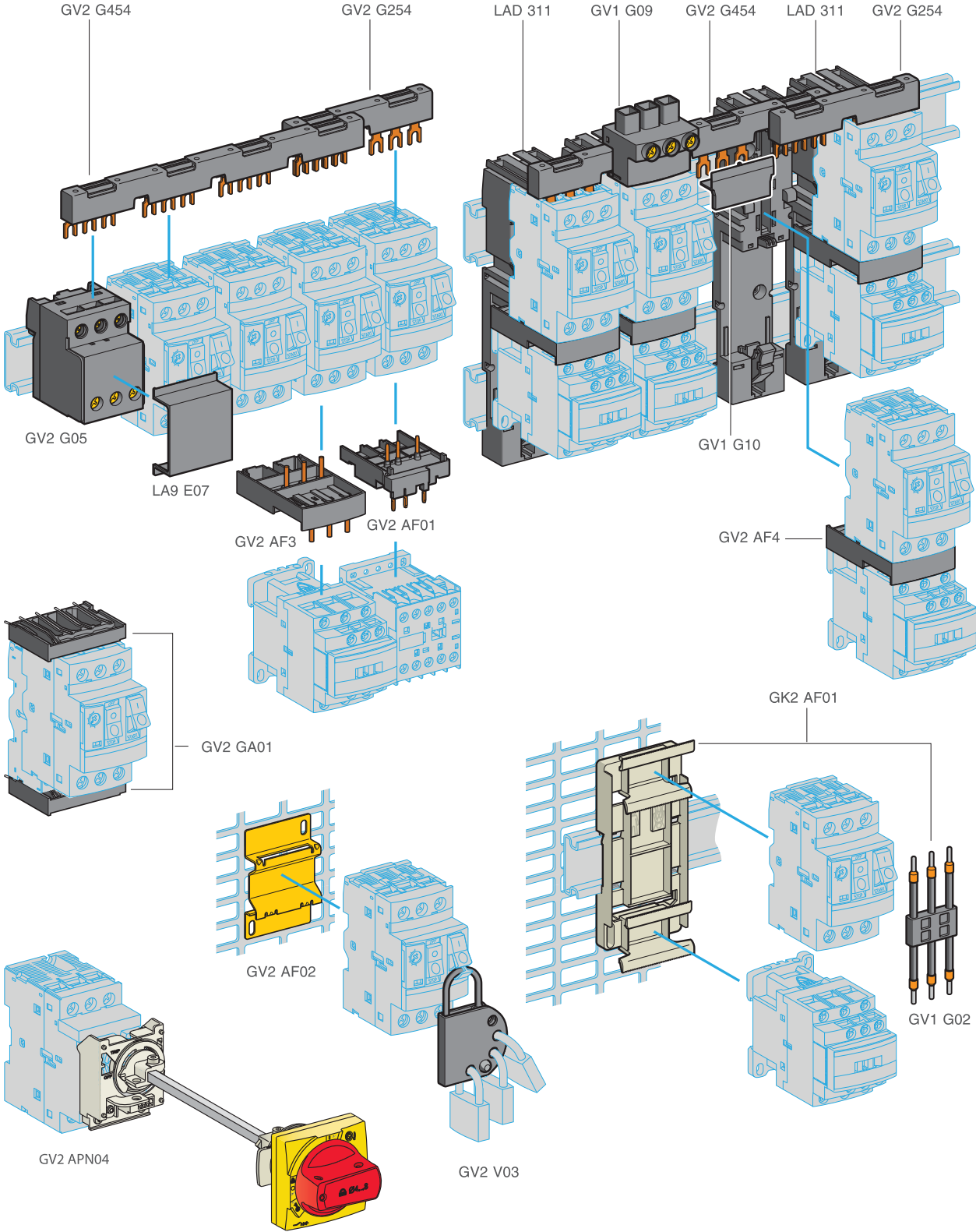
(3) For Circuit breaker not fitted with a rotary handle

It is recommended to check with Customer care team for selection, recommendation, and availability of stockable and non stockable references

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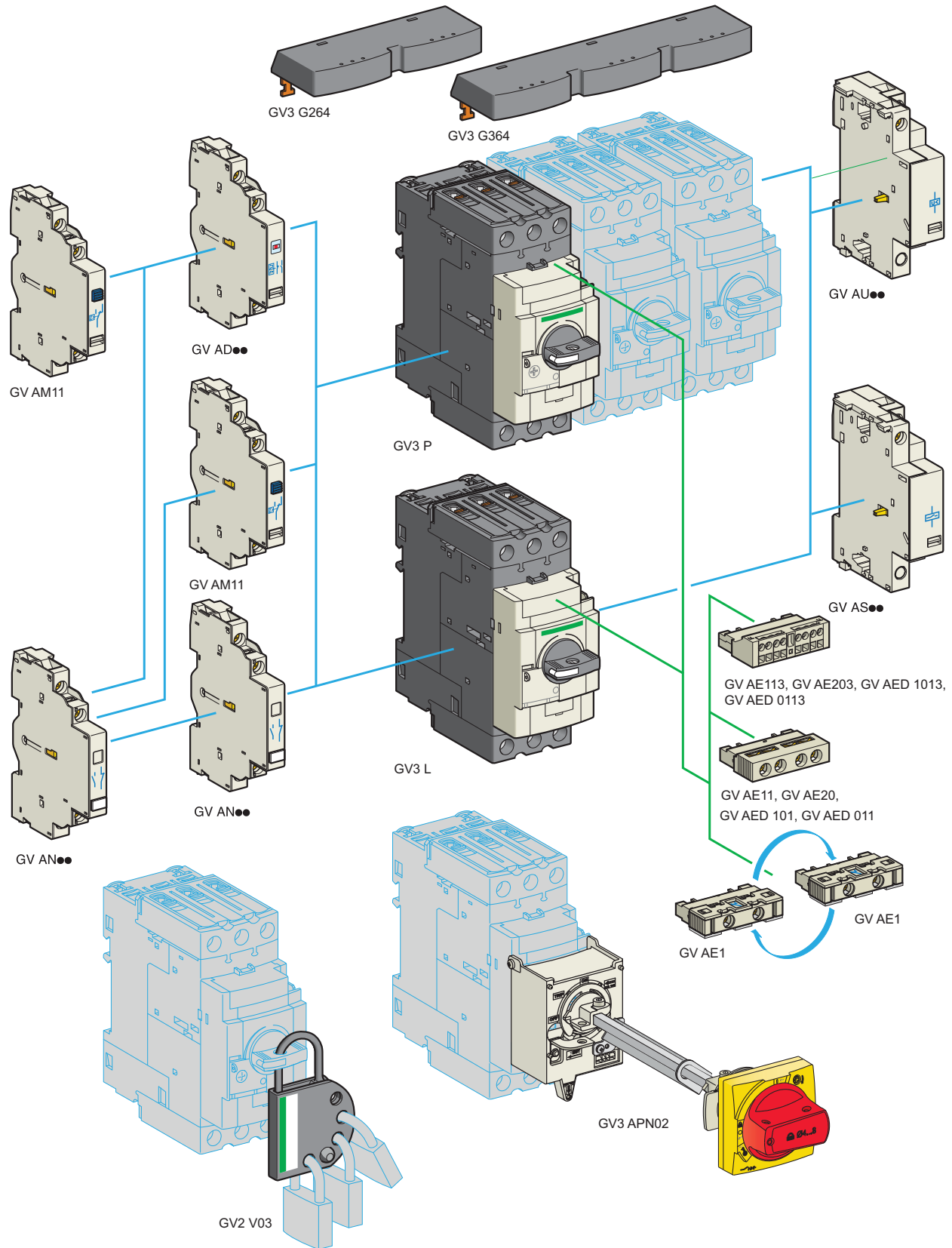
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TeSys Accessories compatibility



TeSys

Accessories compatibility



EasyPact TVS

Circuit Breaker for Motor Protection - GZ1E - Pushbutton control



- Conformance to IEC60947-1,-2,-4, CE Marking
- Range : 0.1A to 32A
- Breaking Capacity upto 100KA

Motor Protection Circuit Breaker - ETVS

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range (A)	Reference	Unit MRP [₹]
	kW	hP			
GZ1-E Thermal Magnetic - With Pushbutton Control					
100 kA	-	-	0.1 - 0.16	GZ1E01	4130
	0.06	-	0.16 - 0.25	GZ1E02	4130
	0.09	-	0.25 - 0.40	GZ1E03	4130
	0.18	-	0.40 - 0.63	GZ1E04	4810
	0.37	0.5	0.63 - 1.0	GZ1E05	4810
	0.55	0.75	1.0 - 1.6	GZ1E06	4710
	0.75	1	1.6 - 2.5	GZ1E07	4710
	1.1	2	2.5 - 4	GZ1E08	4895
	2.2	3	4 - 6.3	GZ1E10	4895
	3	5.5	6 - 10	GZ1E14	5215
10 kA*	5.5	7.5	9 - 14	GZ1E16	5880
	7.5	10	13 - 18	GZ1E20	6395
	9	12.5	17 - 23	GZ1E21	6740
	11	15	20 - 25	GZ1E22	7080
	15	20	24 - 32	GZ1E32	12635

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection (A)	Reference	Unit MRP [₹]
	kW	hP			
GZ1-LE Magnetic- With Pushbutton Control					
100 kA	0.37	0.5	1	GZ1LE05	3015
	0.55	0.75	1.6	GZ1LE06	3015
	0.75	1	2.5	GZ1LE07	3015
	1.1	2	4	GZ1LE08	3015
	2.2	3	6.3	GZ1LE10	3015
	3	5.5	10	GZ1LE14	3015
10 kA*	5.5	7.5	14	GZ1LE16	3260
	7.5	10	18	GZ1LE20	3260
	11	15	25	GZ1LE22	3260
	15	20	32	GZ1LE32	3865

* 50kA With current Limiter type GV1L3

Accessories - ETVS Circuit Breaker for Motor Protection

Description	Mounting	Contacts	Reference	Unit MRP [₹]
Auxillary Contact Block	LH side Mounted	1NO+1NC	GZ1AN11	775
		2NO	GZ1AN20	1005

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

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