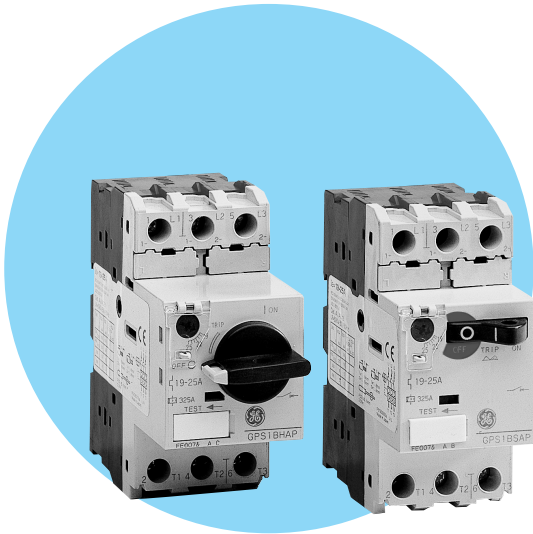


Thermal and magnetic protection

GPS1B - GPS2B



Standards/Approvals

IEC 60947-1, 60947-2, 60947-4-1
 DIN VDE 0660T 100/101/102
 UL508/CSA - UL508/cULus
 Shipping approvals:



RINA



Bureau Veritas



Lloyd's Register
 Germanischer Lloyd



cULus

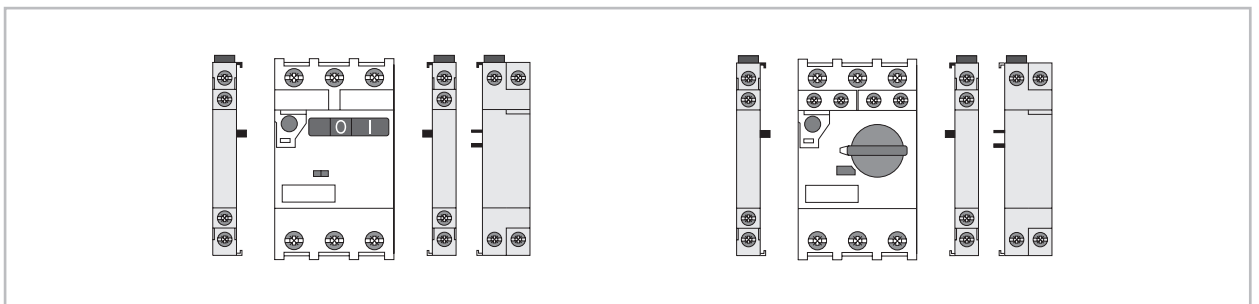


CE

Characteristics

- Rocker and rotary handle operator (GPS2 only rotary)
- Thermal and magnetic protection
- Standard and high breaking capacity
 $I_{cu} = 100kA \geq I_{cs} = 100\% I_{cu}$
 $I_{cu} < 100kA \geq I_{cs} \text{ min. } 75\% I_{cu}$
- Clear identification of the operation state (ON-OFF-tripped)
- Ambient temperature compensation
- Phase failure protection

Auxiliaries



Technical performances

Rated current I_n	(A)	0.1-63
Rated operational current I_e (A)		0.1-63
Rated power at 400V AC	(kW)	0.02-30
Utilisation category		
IEC 60947-2 (circuit breaker)		A
IEC 60947-4-1 (MMS)		AC-3
Tripping class IEC 60947-4-1		10
Magnetic release $I_e \text{ max.}$	(A)	x13
Mechanical/electrical endurance		
GPS1		100,000/100,000
GPS2		50,000/25,000

Accessories

- Auxiliaries [page C.6](#)
- Busbar system [page C.9](#)

- Technical data [page C.12](#)
- Dimensions [page C.18](#)
- Coordination tables [page D.6](#)



GPS1B - Rocker Handle

CLASS 10	Rated power 3 phase motors at 400V AC Pn	Rated current In (1)	Thermal current setting range	Instantaneous short-circuit release	Rated ultimate short-circuit breaking capacity at 400V Icu (kA)	Rated service short-circuit breaking capacity at 400V Ics (kA)	Cat. no.	Ref. no.	Pack.
	(kW)	(A)	(A)	(A)					
	0.02	0.16	0.10 - 0.16	2.1	100	100	GPS1BSAA	101211	5
	0.06	0.25	0.16 - 0.25	3.3	100	100	GPS1BSAB	101212	5
	0.09	0.4	0.25 - 0.40	5.2	100	100	GPS1BSAC	101213	5
	0.12/0.18	0.63	0.40 - 0.63	8.2	100	100	GPS1BSAD	101214	5
	0.25	1	0.63 - 1.00	13	100	100	GPS1BSAE	101215	5
	0.37/0.55	1.6	1.0 - 1.6	20.8	100	100	GPS1BSAF	101216	5
	0.75	2.5	1.6 - 2.5	32.5	100	100	GPS1BSAG	101217	5
	1.5	4	2.5 - 4.0	52	100	100	GPS1BSAH	101218	5
	2.2	6.3	4.0 - 6.3	81.9	100	100	GPS1BSAJ	101219	5
	3/4	10	6.3 - 10	130	100	100	GPS1BSAK	101220	5
	5.5	13	9 - 13	169	50	38	GPS1BSAL	101221	5
	7.5	16	11 - 16	208	25	19	GPS1BSAM	101222	5
	10	20	14 - 20	260	25	19	GPS1BSAN	101223	5
	11	25	19 - 25	325	25	19	GPS1BSAP	101224	5
	15	32	24 - 32	416	25	19	GPS1BSAR	101225	5



(1) Rated current: highest thermal current setting range value.

GPS1B - High breaking capacity.

CLASS 10	Rated power 3 phase motors at 400V AC Pn	Rated current In (1)	Thermal current setting range	Instantaneous short-circuit release	Rated ultimate short-circuit breaking capacity at 400V Icu (kA)	Rated service short-circuit breaking capacity at 400V Ics (kA)	Cat. no.	Ref. no.	Pack.
	(kW)	(A)	(A)	(A)					
	0.02	0.16	0.10 - 0.16	2.1	100	100	GPS1BHAA	101234	5
	0.06	0.25	0.16 - 0.25	3.3	100	100	GPS1BHAB	101235	5
	0.09	0.4	0.25 - 0.40	5.2	100	100	GPS1BHAC	101236	5
	0.12/0.18	0.63	0.40 - 0.63	8.2	100	100	GPS1BHAD	101237	5
	0.25	1	0.63 - 1.00	13	100	100	GPS1BHAE	101238	5
	0.37/0.55	1.6	1 - 1.6	20.8	100	100	GPS1BHAF	101239	5
	0.75	2.5	1.6 - 2.5	32.5	100	100	GPS1BHAG	101240	5
	1.5	4	2.5 - 4.0	52	100	100	GPS1BHAH	101241	5
	2.2	6.3	4.0 - 6.3	81.9	100	100	GPS1BHAJ	101242	5
	3/4	10	6.3 - 10	130	100	100	GPS1BHAK	101243	5
	5.5	13	9 - 13	169	100	100	GPS1BHAL	101244	5
	7.5	16	11 - 16	208	50	38	GPS1BHAM	101245	5
	10	20	14 - 20	260	50	38	GPS1BHAN	101246	5
	11	25	19 - 25	325	50	38	GPS1BHAP	101247	5
	15	32	24 - 32	416	50	38	GPS1BHAR	101248	5



(1) Rated current: highest thermal current setting range value.

GPS2B - High breaking capacity

CLASS 10	Rated power 3 phase motors at 400V AC Pn	Rated current In (1)	Thermal current setting range	Instantaneous short-circuit release	Short-circuit breaking capacity at 400V Icu (kA)	Short-circuit breaking capacity at 400V Ics (kA)	Cat. no.	Ref. no.	Pack.
	(kW)	(A)	(A)	(A)					
	3/4	10	6.3 - 10	130	100	100	GPS2BHAK	101249	1
	5.5	13	9 - 13	169	100	100	GPS2BHAL	107120	1
	7.5	16	11 - 16	208	50	38	GPS2BHAM	101250	1
	10	20	14 - 20	260	50	38	GPS2BHAN	101251	1
	11	25	19 - 25	325	50	38	GPS2BHAP	101252	1
	15	32	24 - 32	416	50	38	GPS2BHAR	101253	1
	18.5	40	28 - 40	520	50	38	GPS2BHAS	101254	1
	22	50	35 - 50	650	50	38	GPS2BHAT	101255	1
	30	63	45 - 63	819	50	38	GPS2BHAU	101256	1



(1) Rated current: highest thermal current setting range value.