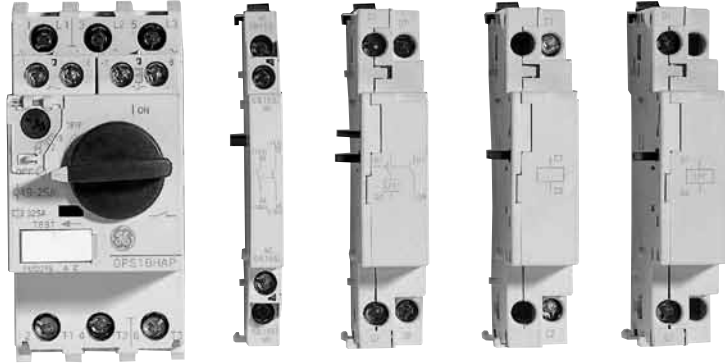


Auxiliaries



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

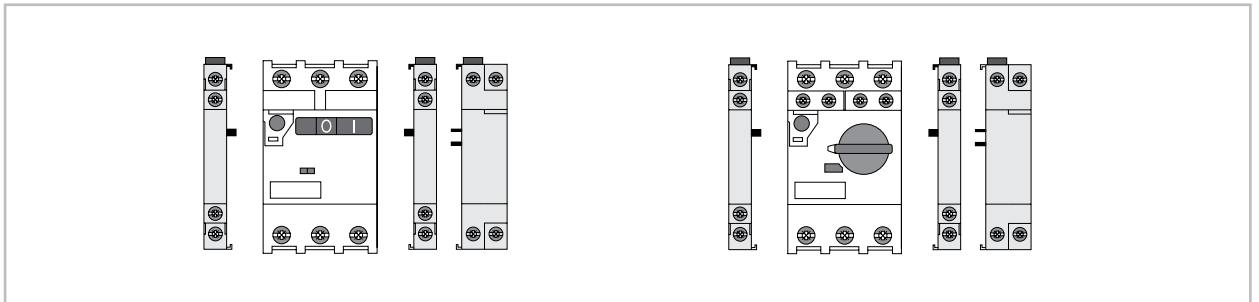


CE

Product range

- Auxiliary contacts (frontal & lateral)
- Alarm contact block
- Auxiliary and alarm contact block
- Short-circuit alarm contact block
- Shunt trip
- Undervoltage release
- Undervoltage release with 2NO early make contacts
- External handle operator
- Terminal protector
- Busbar system

Auxiliaries



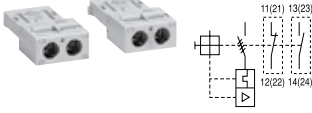
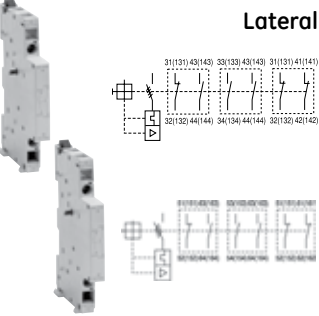
Technical performances

Accessories	
Auxiliaries	pg. B.16
Busbar system	pg. B.19
Technical data	pg. B.22
Dimensions	pg. B.28

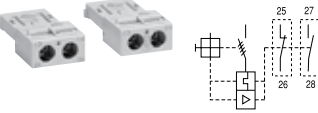
- All auxiliaries can be mounted and changed easily, without any tools
- Both frames GPS1 and GPS2 uses same auxiliaries
- All terminals are capable for 2 cables (0.5mm² - 2.5mm²)
- Side auxiliary contacts are rated to A600, P300 duty
- Frontal auxiliary contacts are rated to B300, Q300 duty
- Minimum operational contact 5mA, 17Vdc
- All terminal screwhead are Pozidriv 2 and slotted combination



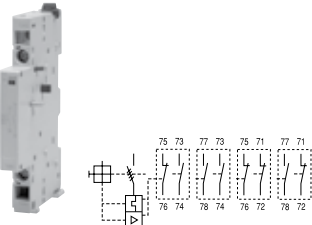
Auxiliary contact blocks

	Description	For use with	Type	Cat. no.	Ref. no.	Pack.
Frontal 	Maximum 2 auxiliary contact blocks per manual motor starter	GPS1... and GPS2...	1 NO	GPAC10FBA	101303	10
		GPS1... and GPS2...	1 NC	GPAC01FBA	101304	10
Lateral 	Two contacts Side mounting on the left	GPS1... and GPS2...	1 NO + 1 NC	GPAC11LLA	101305	10
		GPS1... and GPS2...	2 NO	GPAC20LLA	101306	10
		GPS1... and GPS2...	2 NC	GPAC02LLA	101307	10
	Two contacts Side mounting on the right	GPS1... and GPS2...	1 NO + 1 NC	GPAC11LRA	101308	10
		GPS1... and GPS2...	2 NO	GPAC20LRA	101309	10
		GPS1... and GPS2...	2 NC	GPAC02LRA	101310	10


Alarm contact block

	Description	For use with	Type	Cat. no.	Ref. no.	Pack.
	Frontal mounting on the right	GPS1... and GPS2...	1 NO	GPAL10FRA	101311	10
	Single contact	GPS1... and GPS2...	1 NC	GPAL01FRA	101312	10

Auxiliary / alarm contact block

	Description	For use with	Type	Cat. no.	Ref. no.	Pack.
	Side mounting on the left (front alarm contact block can not be used at the same time)	GPS1... and GPS2...	1 NO(Alarm)+1 NO(Aux)	GPAD1010LLA	101313	10
		GPS1... and GPS2...	1 NO(Alarm)+1 NC(Aux)	GPAD1001LLA	101314	10
		GPS1... and GPS2...	1 NC(Alarm)+1 NO(Aux)	GPAD0110LLA	101315	10
	Two contacts	GPS1... and GPS2...	1 NC(Alarm)+1 NC(Aux)	GPAD0101LLA	101316	10

Short-circuit alarm contact block

	Description	For use with	Type	Cat. no.	Ref. no.	Pack.
	Side mounting on the left Two contacts NO + NC Mechanical indication marking	GPS1... and GPS2...	1 NO + 1 NC	GPAE11LLA	101317	10

A

B

C

D

E

F

G

H

I

X

Auxiliaries

Catalogue reference	GPAC*F..	GPAC*L..	GPAL..	GPAD..	GPAE..
	Aux. frontal block	Aux. lateral block	Alarm frontal block	Alarm/aux. lateral block	Short-circuit alarm block
Cont. cap. contacts class (UL508)	B300 / Q300	A600 / P300	B300 / Q300	A600 / P300	A600 / P300
Back-up fuses gG, gl	6A	10A	6A	10A	10A
Utilization category AC-15					
Rated operating voltage Ue (Vac)	48 125 230	48 125 230 400 500 690	48 125 230	48 125 230 400 500 690	48 125 230 400 500 690
Rated operational current (A)	5 3 1.5	6 4 4 2.2 1.5 0.6	5 3 1.5	6 4 4 2.2 1.5 0.6	6 4 4 2.2 1.5 0.6
Utilization category DC-13					
Rated operating voltage Ue (Vdc)	48 110 220	48 110 220	48 110 220	48 110 220	48 110 220
Rated operational current (A)	1.38 0.55 0.27	5 1.3 0.5	1.38 0.55 0.27	5 1.3 0.5	5 1.3 0.5
Mounting data					
Mounting side	Front	Left or right	Frontal right	Left	Left
Terminals capacity:					
Solid or stranded without end sleeve	2x0.5...2.5 mm ²	2x0.5...2.5 mm ²	2x0.5...2.5 mm ²	2x0.5...2.5 mm ²	2x0.5...2.5 mm ²
AWG	2x18...14	2x18...14	2x18...14	2x18...14	2x18...14
Terminal type	screw	screw	screw	screw	screw
Tightening torque	0.8Nm	0.8Nm	0.8Nm	0.8Nm	0.8Nm
Screwdriver	Pz2/Slotted	Pz2/Slotted	Pz2/Slotted	Pz2/Slotted	Pz2/Slotted
Dimensions width (mm)	Maintain same width	Increase width 9 mm	Maintain same width	Increase width 9 mm	Increase width 9 mm

Detailed dimensions see page B.29

Auxiliaries

Catalogue reference	GPAU	GPAS
	Undervoltage trip	Shunt trip
Power consumption:		
Pick-up (VA/W)	21/12	21/12
Hold (VA/W)	8/1.2	-
Operating voltage		
Tripping (V)	0.35Ve-0.7Ve	0.7Ve-1.1Ve
Pick-up (V)	0.85Ve-1.1Ve	-
Max. operation supply (ms)	-	5(DCI)
Rated operating voltage Ue	24V 50Hz 24V 60Hz 48V 50Hz 48V 60Hz 110/127V 50Hz / 120V 60Hz 208V 60Hz 220/230V 50Hz / 240/260V 60Hz 240V 50Hz / 277V 60Hz 380/400V 50Hz 415/440V 50Hz / 460/480V 60Hz 500V 50Hz / 600V 60Hz	24V 50/60Hz 48V 60Hz 48V 50Hz / 60V 60Hz 110/127V 50Hz / 120V 60Hz 208V 60Hz 220/230V 50Hz / 240/260V 60Hz 240V 50Hz / 277V 60Hz 380/400V 50Hz 415/440V 50Hz / 460/480V 60Hz 500V 50Hz / 600V 60Hz
Contacts class (UL508)	-	24 to 60Vdc 110 to 240Vdc
Back-up fuses (gG,gl)	10A	10A
Mounting data		
Mounting side	Right	Right
Terminals capacity:		
Solid or stranded without end sleeve	2x0.5...2.5 mm ²	2x0.5...2.5 mm ²
AWG	2x18...14	2x18...14
Terminal type	Screw	Screw
Tightening torque	0.8Nm	0.8Nm
Screwdriver	Pz2/Slotted	Pz2/Slotted
Dimensions width (mm)	Increase width 18 mm	Increase width 18 mm

