

IEC Manual Motor Starters Selection Guide

Section 6

45 mm Standard Interruption Capacity (Toggle Operator)

Individual or Group Installation, with or without C-2000 contactors or mini-contactors

FLA Adjustment Range	Three Phase Horsepower @ 200-208V	Three Phase Horsepower @ 220-240V	Three Phase Horsepower @ 440-480V	Three Phase Horsepower @ 575-600V	Single Phase Horsepower @ 115V	Single Phase Horsepower @ 230V	Instantaneous Short Circuit Release Amps	Product Number	List Price GO-10A2C
0.1-0.16							2.1	GPS1BSAA	\$88.00
0.16-0.25							3.3	GPS1BSAB	\$88.00
0.25-0.4							5.2	GPS1BSAC	\$88.00
0.4-0.63							8.2	GPS1BSAD	\$88.00
0.63-1.0			1/2	1/2			13	GPS1BSAE	\$100.00
1-1.6	1/4	1/3	3/4	3/4		1/10	20.8	GPS1BSAF	\$100.00
1.6-2.5	1/2	1/2	1	1 1/2		1/6	32.5	GPS1BSAG	\$100.00
2.5-4	3/4	3/4	2	3	1/8	1/3	52	GPS1BSAH	\$100.00
4-6.3	1	1 1/2	3	5	1/4	1/2	81.9	GPS1BSAJ	\$100.00
6.3-10	2	3	5	7 1/2	1/2	1 1/2	130	GPS1BSAK	\$100.00
9-13	3	3	7 1/2	10	1/2	2	169	GPS1BSAL	\$120.00
11-16	3	5	10	10	1	2	208	GPS1BSAM	\$120.00
14-20	5	5	10	15	1 1/2	3	260	GPS1BSAN	\$120.00
19-25	7 1/2	7 1/2	15	20	2	3	325	GPS1BSAP	\$135.00
24-32	10	10	20	30	2	5	416	GPS1BSAR	\$135.00

45 mm High Interruption Capacity (Rotary Operator)

Individual, Group or Combination^{1, 2} Installation, with or without C-2000 contactors or mini-contactors

FLA Adjustment Range	Three Phase Horsepower @ 200-208V	Three Phase Horsepower @ 220-240V	Three Phase Horsepower @ 440-480V	Three Phase Horsepower @ 575-600V	Single Phase Horsepower @ 115V	Single Phase Horsepower @ 230V	Instantaneous Short Circuit Release Amps	Product Number	List Price GO-10A2C
0.1-0.16							2.1	GPS1BHAA	\$110.00
0.16-0.25							3.3	GPS1BHAB	\$110.00
0.25-0.4							5.2	GPS1BHAC	\$110.00
0.4-0.63							8.2	GPS1BHAD	\$110.00
0.63-1.0			1/2	1/2			13	GPS1BHA E	\$125.00
1-1.6	1/4	1/3	3/4	3/4		1/10	20.8	GPS1BHAF	\$125.00
1.6-2.5	1/2	1/2	1	1 1/2		1/6	32.5	GPS1BHAG	\$125.00
2.5-4	3/4	3/4	2	3	1/8	1/3	52	GPS1BHAH	\$125.00
4-6.3	1	1 1/2	3	5	1/4	1/2	81.9	GPS1BHAI	\$125.00
6.3-10	2	3	5	7 1/2	1/2	1 1/2	130	GPS1BHAK	\$125.00
9-13	3	3	7 1/2	10	1/2	2	169	GPS1BHAL	\$150.00
11-16	3	5	10	10	1	2	208	GPS1BHAM	\$150.00
14-20	5	5	10	15	1 1/2	3	260	GPS1BHAN	\$150.00
19-25	7 1/2	7 1/2	15	20	2	3	325	GPS1BHAP	\$165.00
24-32	10	10	20	30	2	5	416	GPS1BHAR	\$165.00

55 mm High Interruption Capacity (Rotary Operator)

Individual, Group or Combination² Installation, with or without C-2000 contactors or mini-contactors

FLA Adjustment Range	Three Phase Horsepower @ 200-208V	Three Phase Horsepower @ 220-240V	Three Phase Horsepower @ 440-480V	Three Phase Horsepower @ 575-600V	Single Phase Horsepower @ 115V	Single Phase Horsepower @ 230V	Instantaneous Short Circuit Release Amps	Product Number	List Price GO-10A2C
6.3-10	2	3	5	7 1/2	1/2	1 1/2	130	GPS2BHAK	\$245.00
9-13	3	3	7 1/2	10	1/2	2	169	GPS2BHAL	\$245.00
11-16	3	5	7 1/2	10	1	2	208	GPS2BHAM	\$245.00
14-20	5	5	10	15	1 1/2	2	260	GPS2BHAN	\$245.00
19-25	7 1/2	7 1/2	15	20	2	3	325	GPS2BHAP	\$245.00
24-32	10	10	20	25	2	5	416	GPS2BHAR	\$245.00
28-40	10	10	25	30	3	7 1/2	520	GPS2BHAS	\$275.00
35-50	15	15	30	40	3	10	650	GPS2BHAT	\$275.00
45-63	15	20	40	50	5	10	819	GPS2BHAU	\$302.00

¹When using manual starters in combination starter applications, use short circuit reset/indicator accessory. For GPS1BH_ starters add GPAPT1E terminal accessory.

²Maximum voltage for combination control is 277/480.

Product Number Selection Instructions

Selection of the starter depends on the actual motor full load current and service factor. For motors with service factor of 1.15 or greater, use motor full load current to select the appropriate current range. For motors with a service factor less than 1.15, multiply the normal full load current by .9 for the current setting. Single phase applications require all three overload legs to be energized for proper operation. Use separate conductor to connect terminal T2 to L3. Connect power to L1 and L2 and apply load between T1 and T3.



IEC Manual Motor Starters Accessories

Front Mounted (Internal) Accessories—Auxiliary and Alarm Contacts

Snap away the dust cover(s) and up to two front mounted accessories slide into the starter, increasing application flexibility without increasing width.

Accessory Type	For Use With	Mounting Position	Contact Configuration	Product Number	List Price GO-10A2C
Auxiliary Contact (Front Mount)	GPS1*/GPS2*	Left or right front	1NC	GPAC01FBA	\$12.00
Auxiliary Contact (Front Mount)	GPS1*/GPS2*	Left or right front	1NO	GPAC10FBA	\$12.00
Alarm Contact (Front Mount)	GPS1*/GPS2*	Right front	1NC	GPAL01FRA	\$14.00
Alarm Contact (Front Mount)	GPS1*/GPS2*	Right front	1NO	GPAL10FRA	\$14.00
Front Aux. Position Cover (Package of 10)	GPS1*/GPS2*	Left or right front	N/A	GPAC0VF1A	\$0.50



GPAC__FBA
Front Mounted Auxiliary Contacts

Side Mounted Accessories—Auxiliary and Alarm Contacts

Snap on accessories - maximum of [(2) auxiliary contact blocks] or [(1) auxiliary contact block plus (1) alarm/aux. block or (1) short circuit indicator] or [(1) alarm/auxiliary plus (1) short circuit indicator] left and (2) auxiliary contact blocks or (1) shunt trip or (1) under-voltage release right.

Accessory Type	For Use With	Mounting Position	Contact Configuration	Product Number	List Price GO-10A2C
Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	2NC	GPAC02LLA ¹	\$18.00
Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	1NO + 1NC	GPAC11LLA ¹	\$18.00
Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	2NO	GPAC20LLA ¹	\$18.00
Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Right	2NC	GPAC02LRA ¹	\$18.00
Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Right	1NO + 1NC	GPAC11LRA ¹	\$18.00
Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Right	2NO	GPAC20LRA ¹	\$18.00
Alarm/Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	1NC Alarm + 1NC Aux.	GPAD0101LLA	\$24.00
Alarm/Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	1NC Alarm + 1NO Aux.	GPAD0110LLA	\$24.00
Alarm/Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	1NO Alarm + 1NC Aux.	GPAD1001LLA	\$24.00
Alarm/Auxiliary Contact (Side Mount)	GPS1*/GPS2*	Left	1NO Alarm + 1NO Aux.	GPAD1010LLA	\$24.00
Short Circuit Alarm (Side Mount)	GPS1*/GPS2*	Left	1NO + 1NC	GPAE11LLA ²	\$15.00



GPAC__FRA
Front Mounted Alarm Contacts

¹GPS1BSAR and GPS1BHAR (24-32 FLA starters) can accept all accessory combinations noted above except that only one lateral auxiliary contact block may be used on this size.

²GPAE11LLA short circuit alarm may not be used with non-metallic enclosures due to reset button interference.



GPAC__LLA/GPAC__LRA
Side Mounted Auxiliary Contacts



GPAD___LLA
Side Mounted Alarm/Auxiliary Contact



GPAE11LLA
Side Mounted Short Circuit Alarm



IEC Manual Motor Starters Accessories

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Side Mounted Accessories—Shunt Trip

Snap on accessories - maximum of (2) auxiliary contact blocks or (1) shunt trip or (1) undervoltage release right side.

Accessory Type	For Use With	Mounting Position	Coil Voltage	Product Number	List Price GO-10A2C
Shunt Trip	GPS1*/GPS2*	Right	24V 60/50 Hz	GPASLRAA1	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	48V 60 Hz	GPASLRAAF	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	60V 60 Hz, 48V 50 Hz	GPASLRAAG	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	120V 60 Hz, 110-127V 50 Hz	GPASLRAAJ	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	208V 60 Hz	GPASLRAAM	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	240V 60 Hz, 220V 50 Hz	GPASLRAAN	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	277V 60 Hz, 240V 50 Hz	GPASLRAAR	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	380/400V 50 Hz	GPASLRAAU	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	460-480V 60 Hz, 415-440V 50 Hz	GPASLRAAW	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	600V 60 Hz, 500V 50 Hz	GPASLRAAY	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	24-60V DC	GPASLRADD	\$48.00
Shunt Trip	GPS1*/GPS2*	Right	110-240V DC	GPASLRADJ	\$48.00

De-energizes the controller when external signal is applied to shunt coil.



GPASLRA__Shunt Trip

Side Mounted Accessories—Undervoltage Release

Snap on accessories - maximum of (2) auxiliary contact blocks or (1) shunt trip or (1) undervoltage release right side.

Accessory Type	For Use With	Mounting Position	Coil Voltage	Product Number	List Price GO-10A2C
Undervoltage Release	GPS1*/GPS2*	Right	24V 60 Hz	GPAULRAAC	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	24V 50 Hz	GPAULRAAD	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	48V 60 Hz	GPAULRAAF	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	48V 50 Hz	GPAULRAAG	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	120V 60Hz, 110-127V 50 Hz	GPAULRAAJ	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	208V 60 Hz	GPAULRAAM	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	240-260V 60 Hz, 220/230V 50 Hz	GPAULRAAN	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	277V 60 Hz, 240V 50 Hz	GPAULRAAR	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	380/400V 50 Hz	GPAULRAAU	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	460-480V 60 Hz, 415-440V 50 Hz	GPAULRAAW	\$48.00
Undervoltage Release	GPS1*/GPS2*	Right	600V 60 Hz, 500V 50 Hz	GPAULRAAY	\$48.00

Provides protection from low voltage conditions; requires 85-110% voltage across D1 and D2 prior to starting motor; requires reset of starter upon undervoltage condition or loss of voltage.



GPAULRAA_Undervoltage Release

Side Mounted Accessories—Undervoltage Release

Snap on accessories - maximum of (2) auxiliary contact blocks or (1) shunt trip or (1) undervoltage release right side.

Accessory Type	For Use With	Mounting Position	Coil Voltage	Product Number	List Price GO-10A2C
Undervoltage Release	GPS1B5*	Right	24V 60 Hz	GPAU20LTAAC	\$66.00
Undervoltage Release	GPS1B5*	Right	24V 50 Hz	GPAU20LTAAD	\$66.00
Undervoltage Release	GPS1B5*	Right	48V 60 Hz	GPAU20LTAAF	\$66.00
Undervoltage Release	GPS1B5*	Right	48V 50 Hz	GPAU20LTAAG	\$66.00
Undervoltage Release	GPS1B5*	Right	120V 60 Hz, 110-127V 50 Hz	GPAU20LTAAJ	\$66.00
Undervoltage Release	GPS1B5*	Right	208V 60 Hz	GPAU20LTAAM	\$66.00
Undervoltage Release	GPS1B5*	Right	240-260V 60 Hz, 220/230V 50 Hz	GPAU20LTAAN	\$66.00
Undervoltage Release	GPS1B5*	Right	277V 60 Hz, 240V 50 Hz	GPAU20LTAAR	\$66.00
Undervoltage Release	GPS1B5*	Right	380/400V 50 Hz	GPAU20LTAAU	\$66.00
Undervoltage Release	GPS1B5*	Right	460-480V 60 Hz, 415-440V 50 Hz	GPAU20LTAAW	\$66.00
Undervoltage Release	GPS1B5*	Right	600V 60 Hz, 500V 50 Hz	GPAU20LTAAY	\$66.00

With 2NO early make contacts (provides protection from low voltage conditions; early make contacts energize release coil when operator is turned to ON position and voltage is 85-110% Ve; requires reset of starter upon undervoltage condition or loss of voltage)



GPAU20LTAU_Undervoltage Release with 2NO early make contacts

Side Mounted Accessories—Undervoltage Release

Snap on accessories - maximum of (2) auxiliary contact blocks] or (1) shunt trip or (1) undervoltage release right side.

Accessory Type	For Use With	Mounting Position	Coil Voltage	Product Number	List Price GO-10A2C
Undervoltage Release	GPS1BH*/GPS2BH*	Right	24V 60 Hz	GPAU20LCAAC	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	24V 50 Hz	GPAU20LCAAD	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	48V 60 Hz	GPAU20LCAAF	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	48V 50 Hz	GPAU20LCAAG	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	120V 60 Hz, 110-127V 50 Hz	GPAU20LCAAJ	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	208V 60 Hz	GPAU20LCAAM	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	240-260V 60 Hz, 220/230V 50 Hz	GPAU20LCAAN	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	277V 60 Hz, 240V 50 Hz	GPAU20LCAAR	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	380/400V 50 Hz	GPAU20LCAAU	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	460-480V 60 Hz, 415-440V 50 Hz	GPAU20LCAAW	\$66.00
Undervoltage Release	GPS1BH*/GPS2BH*	Right	600V 60 Hz, 500V 50 Hz	GPAU20LCAAY	\$66.00

With 2NO early make contacts (provides protection from low voltage conditions; early make contacts energize release coil when operator is turned to ON position and voltage is 85-110% Ve; requires reset of starter upon undervoltage condition or loss of voltage)



GPAU20LCAA_Undervoltage Release with 2NO early make contacts



IEC Manual Motor Starters

Accessories

Section 6

Group Mounted Starter Accessories

Accessory Type	For Use With	Maximum Amps	Spacing	Product Description	Terminal Type	No. of Controllers	Product Number	List Price GO-10A2C
Input Busbar	GPS1*	63A max.	45mm	Used with no auxiliaries	Pin	2	GPB1B02A	\$12.00
Input Busbar	GPS1*	63A max.	45mm	Used with no auxiliaries	Pin	3	GPB1B03A	\$16.00
Input Busbar	GPS1*	63A max.	45mm	Used with no auxiliaries	Pin	4	GPB1B04A	\$20.00
Input Busbar	GPS1*	63A max.	45mm	Used with no auxiliaries	Pin	5	GPB1B05A	\$25.00
Input Busbar	GPS1*	63A max.	54mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	2	GPB1B12A	\$14.00
Input Busbar	GPS1*	63A max.	54mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	3	GPB1B13A	\$18.00
Input Busbar	GPS1*	63A max.	54mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	4	GPB1B14A	\$22.00
Input Busbar	GPS1*	63A max.	54mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	5	GPB1B15A	\$27.00
Input Busbar	GPS1*	63A max.	63mm	Used with 2 aux or 1 aux+1 aux/alarm or shunt or UV (two 9mm auxiliaries or one 18mm auxiliary)	Fork	2	GPB1B22A	\$22.00
Input Busbar	GPS1*	63A max.	63mm	Used with 2 aux or 1 aux+1 aux/alarm or shunt or UV (two 9mm auxiliaries or one 18mm auxiliary)	Fork	4	GPB1B24A	\$27.00
Input Busbar	GPS2*	120A max.	55mm	Used with no auxiliaries	Pin	2	GPB2B02A	\$32.00
Input Busbar	GPS2*	120A max.	55mm	Used with no auxiliaries	Pin	3	GPB2B03A	\$40.00
Input Busbar	GPS2*	120A max.	55mm	Used with no auxiliaries	Pin	4	GPB2B04A	\$48.00
Input Busbar	GPS2*	120A max.	64mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	2	GPB2B12A	\$34.00
Input Busbar	GPS2*	120A max.	64mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	3	GPB2B13A	\$42.00
Input Busbar	GPS2*	120A max.	64mm	Used with 1 aux or 1 aux alarm (one 9mm auxiliary)	Pin	4	GPB2B14A	\$50.00
Input Busbar	GPS2*	120A max.	73mm	Used with 2 aux or 1 aux + aux/alarm or shunt or UV (two 9mm auxiliaries or one 18mm auxiliary)	Pin	2	GPB2B22A	\$34.00
Input Busbar	GPS2*	120A max.	73mm	Used with 2 aux or 1 aux + aux/alarm or shunt or UV (two 9mm auxiliaries or one 18mm auxiliary)	Pin	4	GPB2B24A	\$50.00
Power Input Busbar Terminal	GPS1*	63A max.		Used with GP1B busbars above Wire size - AWG 10-4 Torque - 38 lbs. in.	Pozidrive		GPB1FA	\$16.00
Power Input Busbar Terminal	GPS2*	120A max.		Used with GPB2 busbars above Wire Size - AWG 8 - 1/0 Torque - 54 lbs. in.	Allen Screw		GPB2FA	\$28.00
Terminal Covers	GPS1*			Slips over unused GPB1B0__ (45mm) or GPB1B1__ (54mm) pin type input busbar terminals to provide touch protection			GPB1GA	\$2.50
Terminal Covers	GPS2*			Snaps over unused GPB2B0__ (55mm) or GPB2B1__ (64mm) pin type busbar terminals to provide touch protection			GPB2GA	\$3.00



GPB_B___Input Busbar



GPB_FA Power Input Busbar Terminal



GPB_GA Terminal Cover

Input Busbar simplifies group installations; different forms accommodate different accessories.



IEC Manual Motor Starters Accessories

Section 6

External Handle Operators

Allows operation of GPS1BH__ and GPS2BH__ starters through a panel door. Shaft mounting depth inside the panel can range from 5.5" - 11.4" (139.8 - 289.8 mm) for GPS1BH__ and 6.3" - 12.25" (161 - 311 mm) for GPS2BH__.

For Use With	Handle Type	Product Number	List Price GO-10A2C
GPS1*	Black	GPA1HAB	\$35.00
GPS1*	Red/Yellow	GPA1HAR	\$35.00
GPS2*	Black	GPA2HAB	\$40.00
GPS2*	Red/Yellow	GPA2HAR	\$40.00



GPA_HA_Handle Operator

Other Accessories

Accessory Type	For Use With	Description	Product Number	List Price GO-10A2C
Snap-in Tabs	GPS1*	For Screw Mounting GPS1 to panel ¹	GPAKS1A	\$15 ea.
Terminal Covers	GPS2*	IP20 (package of 6)	GPAPT2A	\$1.00
Terminal Covers	GPS1BH*	Additional protective cover required for combination control. Easily suited for field installation. May not use front mounted internal accessories with cover in place. Cannot use GPB1 busbars with protective cover.	GPAPT1E	\$12.00

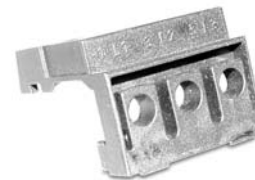
¹Packaged in quantities of 10.



GPAKS1A Snap-in Tabs



GPAPT2A Terminal Covers for GPS2*



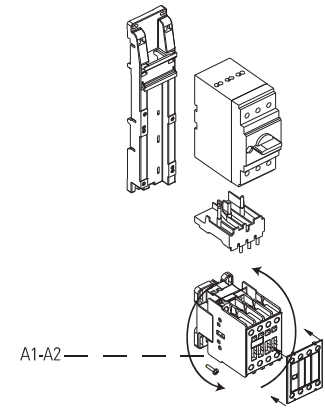
GPAPT1E Terminal Covers for GPS1BH*



IEC Manual Motor Starters Accessories

Integrated Starter Components

Accessory Type	For Use With	Contactors Prefix	Coil Volts	Product Number	List Price GO-10A2C
Bases	GPS1*	MC0/MC1 (optional), CL00, 01, 02, 25 (optional), CL00, 01, 02, 25	AC or DC AC DC	GPF1B1A	\$20.00
Bases	GPS1*	CL04	AC or DC	GPF1B4A	\$23.00
Bases	GPS2*	CL04, CL45	AC or DC	GPF2B2A	\$25.00
Bases	GPS2*	CL06, CL07	AC	GPF2B3A	\$30.00
Links	GPS1*	MC0/MC1	AC & DC	GPF1LMCBA	\$8.00
Links	GPS1*	CL00, CL01, CL02	AC	GPF1L02AA	\$9.00
Links	GPS1*	CL00, CL01, CL02	DC	GPF1L02DA	\$12.00
Links	GPS1*	CL25	AC	GPF1L25AA	\$9.00
Links	GPS1*	CL25	DC	GPF1L25DA	\$12.00
Links	GPS1*	CL04	AC	GPF1L04AA	\$14.00
Links	GPS1*	CL04	DC	GPF1L04DA	\$18.00
Links	GPS2*	CL04	AC	GPF2L04AA	\$14.00
Links	GPS2*	CL04	DC	GPF2L04DA	\$18.00
Links	GPS2*	CL45	AC	GPF2L45AA	\$14.00
Links	GPS2*	CL45	DC	GPF2L45DA	\$18.00
Links	GPS2*	CL06, CL07	AC	GPF2L07AA	\$25.00



Integrated Starter Components

Integrated Starter Components

For integrated starter applications, rotate CL contactors 180°, coil terminals down. This permits direct access to the A1-A2 coil terminals when contactors are assembled to the manual motor starter. Then attach the plastic cover to the front of the contactor so that terminal numbering is in the correct position. Note: After 180° rotation, the built-in auxiliary contact on CL00__, CL01__, CL02__ and CL04__ will be located on the first terminal on the left side.

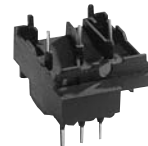
Accessory Type	Contactors Prefix	Built-In Aux Contacts	Product Number	List Price GO-10A2C
Covers	CL00, CL01, CL02	1NO	GPF10C02 ¹	\$3.00
Covers	CL00, CL01, CL02	1NC	GPF01C02 ¹	\$3.00
Covers	CL25	None	GPF00C25 ¹	\$3.00
Covers	CL04	1NO	GPF10C04 ²	\$3.00
Covers	CL04	1NC	GPF01C04 ²	\$3.00
Covers	CL45	None	GPF00C45 ²	\$3.00
Covers	CL06, CL07 (AC Only)	None	GPF00C08 ²	\$4.00

¹Covers accommodate a maximum of 2 front auxiliary contact blocks.

²Covers accommodate a maximum of 4 front auxiliary contact blocks.



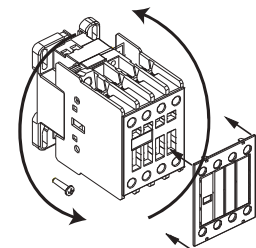
GPF_B_A Bases



GPF1L_____/GPF2L_____ Links



Cover



Rotate CL contactors 180 degrees

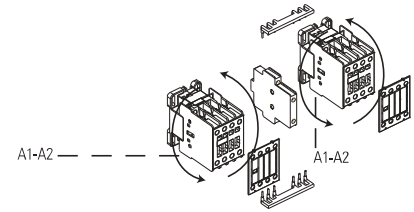
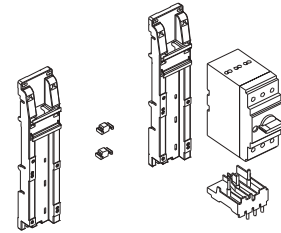


IEC Manual Motor Starters Accessories

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Integrated Starter Components

Accessory Type	For Use With	Contactors Prefix	Coil Volts	Product Number	List Price GO-10A2C
Wiring Kits for Reversing Starters	GPS1*	MC0/MC1	AC or DC	WKMIU	\$16.00
Wiring Kits for Reversing Starters	GPS1*	CL00, CL01, CL02	AC or DC	WKLI02P	\$18.00
Wiring Kits for Reversing Starters	GPS1*	CL25	AC or DC	WKLI25P	\$20.00
Wiring Kits for Reversing Starters	GPS1*/GPS2*	CL04	AC or DC	WKLI04P	\$30.00
Wiring Kits for Reversing Starters	GPS2*	CL45	AC or DC	WKLI45P	\$32.00
Wiring Kits for Reversing Starters	GPS2*	CL06, CL07	AC	CLXC41	\$48.00



Integrated Starter Components

Integrated Starter Components

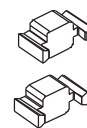
Bases and base links are required for reversers using CL contactors, optional for reversers using MC contactors. Two base links are required for each pair of reverser bases.

Accessory Type	For Use With	Product Number	List Price GO-10A2C
Base Links for Reversers	GPS1*	GPF1CBA	\$0.80 per package

Product number represents package of 2.



WKLI__Wiring Kits for Reversing Starters



Base Links for Reversers



IEC Manual Motor Starters Enclosures and Enclosure Accessories

Section 6

Enclosures (Non-metallic)

For Surion Toggle Operated (GPS1BSAA-GPS1BSAP) Starters to 25 Amps

Enclosures will accommodate starters with 1 auxiliary or alarm contact on the left side and 1 auxiliary contact, shunt trip or undervoltage release (with or without early make contacts) on the right side. UL Listed for use with 1/2" NPT fittings.

For Use With	Mounting	Enclosure Type	Product Number	List Price GO-10A2C
GPS1BSAA-AP	Flush Panel	NEMA Type 1/IP41	GPEF41A	\$35.00
GPS1BSAA-AP	Flush Panel	NEMA Type 3R/12/IP55	GPEF55A	\$50.00
GPS1BSAA-AP	Surface	NEMA Type 1/IP41	GPES41A	\$30.00
GPS1BSAA-AP	Surface	NEMA Type 3R/12/IP55	GPES55A	\$45.00



GPEF__A/GPES__A Non-Metallic Enclosure

Enclosure Accessories (Non-metallic)

For Use With	Enclosure Accessory Type	Product Description	Product Number	List Price GO-10A2C
GPS1BSAA-GPS1BSAP	Padlocking Device	Accepts up to 3 padlocks with hasps of .15-.31 inches (4-8 mm)	GPEPA	\$18.00
GPS1BSAA-GPS1BSAP	External Mushroom Head Push Button	Momentary	GPEPMA	\$24.00
GPS1BSAA-GPS1BSAP	External Mushroom Head Push Button	Push-to-stop/Turn-to-release	GPEPLA	\$35.00
GPS1BSAA-GPS1BSAP	External Mushroom Head Push Button	Push-to-stop/Key-to-release	GPEPKA	\$85.00
GPS1BSAA-GPS1BSAP	Conversion Kit	Converts Type 1 to 3R/12 (IP44 to IP55)	GPECA	\$12.00
GPS1BSAA-GPS1BSAP	Neutral Kit	—	GPENA	\$5.00
GPS1BSAA-GPS1BSAP	Adapter	Adapts enclosure to Type 3R/12 (IP55) to accommodate starter with undervoltage release with early make contacts	GPEUTA	\$6.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Green 110-220V	GPELGAJ	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Green 220-240V	GPELGAN	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Green 380-440V	GPELGAU	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Green 480-500V	GPELGAX	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Green 600V	GPELGAY	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Red 110-220V	GPELRAJ	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Red 220-240V	GPELRAN	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Red 380-440V	GPELRAU	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Red 480-500V	GPELRAX	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Red 600V	GPELRAY	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Transparent 110-220V	GPELCAJ	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Transparent 220-240V	GPELCAU	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Transparent 380-440V	GPELCAU	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Transparent 480-500V	GPELCAX	\$18.00
GPS1BSAA-GPS1BSAP	Indicating Lights	Transparent 600V	GPELCAY	\$18.00



GPEPA Padlocking Device



GPEP__Mushroom Head Push Button



GPECA Conversion Kit

Reference Publications

Instructions for non-metallic enclosures:

DEH-40283



GPENA Neutral Kit



GPEUTA Adapter



GPEL_A_Indicating Lights



IEC Manual Motor Starters Enclosures and Enclosure Accessories

Section 6

Enclosures (Metallic)

Application	For Use With	Contactora Prefix	Enclosure Type	Product Number	List Price GO-10A2C
Manual Motor Starters	GPS1BH	—	NEMA Type 1	GPEM1NA	\$60.00
Manual Motor Starters	GPS2BH	—	NEMA Type 1	GPEM1NB	\$75.00
Manual Motor Starters	GPS1BH /GPS2BH	—	NEMA Type 3R/12	GPEM2NC	\$115.00
Combination Starters	GPS1BH /GPS2BH	All except CL04	NEMA Type 1	GPEM1CC ¹	\$95.00
Combination Starters	GPS1BH	CL04	NEMA Type 1	GPEM1CD ¹	\$95.00
Combination Starters	GPS1BH /GPS2BH	All except CL04	NEMA Type 3R/12	GPEM2CC ¹	\$140.00
Combination Starters	GPS1BH	CL04	NEMA Type 3R/12	GPEM2CD ¹	\$140.00
Reversing Combination ² Starters and Combination ² Starters with CPT	GPS1BH__	CL00-CL04	NEMA Type 1	GPEM1XA ¹	\$165.00
Reversing Combination ² Starters and Combination Starters with CPT	GPS1BH__	CL00-CL04	NEMA Type 3R/12	GPEM2XA ¹	\$210.00
Reversing Combination ² Starters and Combination ² Starters with CPT	GPS2BH__	CL04-CL07	NEMA Type 1	GPEM1XB ¹	\$165.00
Reversing Combination ² Starters and Combination ² Starters with CPT	GPS2BH__	CL04-CL07	NEMA Type 3R/12	GPEM2XB ¹	\$210.00

¹Bases are required for enclosed combination starters.

²Maximum voltage 277/480



GPEM__ Metallic Enclosure



CLXP3NL_Pilot Light, Red & Green Lenses

Enclosure Pilot Devices (Metallic)

For Use With	Applications	Product Description	Product Number	List Price GO-10C2
GPS1BH /GPS2BH	All Starters	Pilot Light, Red & Green Lenses 115V	CLXP3NL1	\$65.00
GPS1BH /GPS2BH	All Starters	Pilot Light, Red & Green Lenses 240V	CLXP3NL3	\$65.00
GPS1BH /GPS2BH	All Starters	Pilot Light, Red & Green Lenses 277V	CLXP3NL7	\$65.00
GPS1BH /GPS2BH	All Starters	Pilot Light, Red & Green Lenses 480V	CLXP3NL4	\$65.00
GPS1BH /GPS2BH	All Starters	Pilot Light, Red & Green Lenses 600V	CLXP3NL5	\$65.00
GPS1BH /GPS2BH	All Starters	Pilot Light, Red & Green Lenses 24V	CLXP3NL2	\$65.00
GPS1BH /GPS2BH	All Starters	White Lens	P9ASGLDB ¹	\$1.00 ¹
GPS1BH__ /GPS2BH__	Non-reversing Combination Starters	START-STOP Push Buttons	CLXP1NC	\$65.00
GPS1BH__ /GPS2BH__	Non-reversing Combination Starters	START-STOP Mushroom Head Push Button	CLXP4NC	\$65.00
GPS1BH__ /GPS2BH__	Non-reversing Combination Starters	H-O-A Selector Switch	CLXP2NC	\$50.00
GPS1BH__ /GPS2BH__	Reversing Combination	FORWARD-OFF-REVERSE Selector Switch	CLXP1RC	\$50.00
GPS1BH__ /GPS2BH__	Reversing Combination	FORWARD-OFF-REVERSE Push Buttons	CLXP3RC	\$75.00

¹List Price GO-10GC

Reference Publications

Instructions for metallic enclosures:	
Manual motor starters:	DEH-40389
Combination starters:	DEH-40387
Reversing combination starters or combination starters with CPT:	DEH-40388



CLXP1NC START-STOP Push Buttons



CLXP4NC START-STOP Mushroom
Head Push Buttons



CLXP2NC H-O-A Selector Switch



CLXP1RC FORWARD-OFF-REVERSE
Selector Switch



CLXP3RC FORWARD-OFF-REVERSE
Push Buttons

