



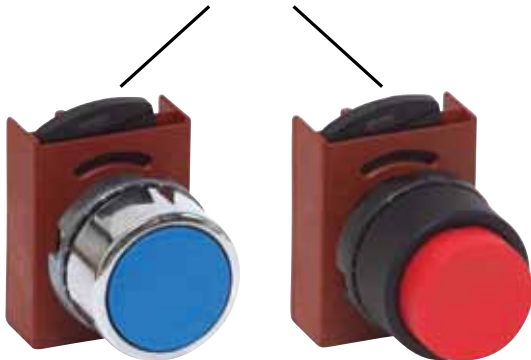
CONTROL & AUTOMATION

P9 PUSH-BUTTON RANGE

IP66

Available made up: perfect for your storeroom.

COMMON PARTS



CHROME

PLASTIC

- Operators are back mounted to the panel by a patented locking ring
- Contact Blocks have patented double bridge wiping contacts with four switching points
- Locating tab can be removed with a screwdriver
- All rear panel devices are snap-on
- Unique, wiping contacts provide long life and monitor control circuits at low energy levels

Standards/Approvals: IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, EN 50003, UL 508, NEMA ICS-1, CSA C22.2/14, JIS C8325



Lloyd's Register
of Shipping



CALL US TO
REQUEST YOUR
P9 STAND



Complete Push-button Range

(Flange, contact blocks and LED's included, supplied in a blister pack)



IM Standard Push-buttons IP66

DESCRIPTION	COLOUR	CONTACTS	CHROME		PLASTIC	
			ORDER CODE	PRICE \$ excl. GST	ORDER CODE	PRICE \$ excl. GST
Flush Push-button Spring Return	Black	1 N/O	153000	44.90	152000	41.90
	Red	1 N/C	153001	44.90	152001	41.90
	Green	1 N/O	153002	44.90	152002	41.90
	Yellow	1 N/O	153003	44.90	152003	41.90
	Blue	1 N/O	153006	44.90	152006	41.90



IM Mushroom Head Push-buttons IP66

DESCRIPTION	DIAMETER	COLOUR	CONTACTS	ORDER CODE	PRICE \$ excl. GST	ORDER CODE	PRICE \$ excl. GST
Push-Pull to Release	40mm	Red	1 N/C	153161	91.10	152161	89.80
Push-Twist to Release	40mm	Red	1 N/C	153170	112.00	152170	105.00
Push-Key to Release	40mm	Red	1 N/C	153173	157.50	152173	148.30



IM Selector Switches (black) IP66

DESCRIPTION		CONTACTS	ORDER CODE	PRICE \$ excl. GST	ORDER CODE	PRICE \$ excl. GST
2 Position	Fixed Short Handle	1 N/O	153210	62.60	152210	58.80
3 Position	Fixed Short Handle	2 N/O	153200	82.60	152200	79.60
4 Position	Fixed Short Handle	3 N/O	153230	113.90	152230	108.10



IM Illuminated Push-buttons (24V) IP66

DESCRIPTION	COLOUR	CONTACTS	ORDER CODE	PRICE \$ excl. GST	ORDER CODE	PRICE \$ excl. GST
Flush Push-button Diffused Lens Spring Return	Red	1 N/C	153591	81.40	152591	78.80
	Green	1 N/O	153592	81.40	152592	78.80
	Yellow	1 N/O	153593	81.40	152593	78.80
	Orange	1 N/O	153595	81.40	152595	78.80
	Blue	1 N/O	153596	81.40	152596	78.80



IM Illuminated Pilot Light (24V) IP66

Diffused Lens	COLOUR	ORDER CODE	PRICE \$ excl. GST	ORDER CODE	PRICE \$ excl. GST
	Red	153791	62.60	152791	55.70
	Green	153792	62.60	152792	55.70
	Yellow	153793	62.60	152793	55.70
	Orange	153795	62.60	152795	55.70
	Blue	153796	62.60	152796	55.70



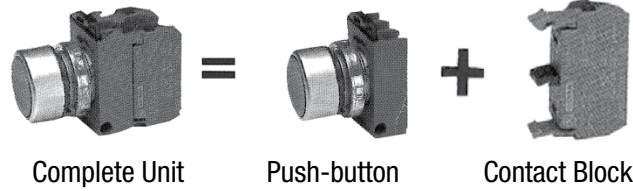
IM Illuminated Pilot Light (230V) IP66

Diffused Lens	COLOUR	ORDER CODE	PRICE \$ excl. GST	ORDER CODE	PRICE \$ excl. GST
	Red	153691	81.40	152691	74.90
	Green	153692	85.94	152692	74.90
	Yellow	153693	81.40	152693	74.90
	Orange	153695	81.40	152695	74.90
	Blue	153696	81.40	152696	74.90

IM Joysticks IP66

2 Position, Central Zero	1 NO/NC	153701	165.00
4 Position, Central Zero	2 NO/NC	153721	206.90

Without Interlock



IA Standard Push-buttons IP66



DESCRIPTION	COLOUR	CHROME			PLASTIC		
		CAT REF	ORDER CODE	PRICE \$ excl. GST	CAT REF	ORDER CODE	PRICE \$ excl. GST
Flush Push-button Spring Return	Black	P9CPNNG	190000	28.10	P9XPNNG	185000	26.70
	Red	P9CPNRG	190001	28.10	P9XPNRG	185001	26.70
	Green	P9CPNVG	190002	28.10	P9XPNVG	185002	26.70
	Yellow	P9CPNGG	190003	28.10	P9XPNGG	185003	26.70
	Blue	P9CPNLG	190006	28.10	P9XPNLG	185006	26.70
	White	P9CPNNG	190007	28.10	P9XPNNG	185007	26.70
Raised Push-button Spring Return	Black	P9CPNNS	190010	34.90	P9XPNNS	185010	29.90
	Red	P9CPNRS	190011	35.60	P9XPNRS	185011	29.90
	Green	P9CPNVS	190012	48.90	P9XPNVS	185012	29.90
	Yellow	P9CPNGS	190013	35.60	P9XPNGS	185013	29.90
	Blue	P9CPNLS	190016	34.90	P9XPNLS	185016	29.90
	White	P9CPNBS	190017	35.60	P9XPNBS	185017	29.90

IJ Rubber Protective Caps IP66

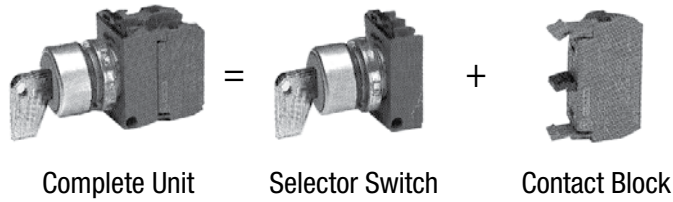


For flush standard push-buttons	Clear	080CPT	170198	7.80
	Black	080CPN	170190	7.80
	Red	080CPR	170191	7.80
	Green	080CPV	170192	7.90
	Yellow	080CPG	170193	7.80
For raised standard push-buttons	Clear	P9ARCST	187490	8.70

IA Mushroom Head Push-Buttons IP66

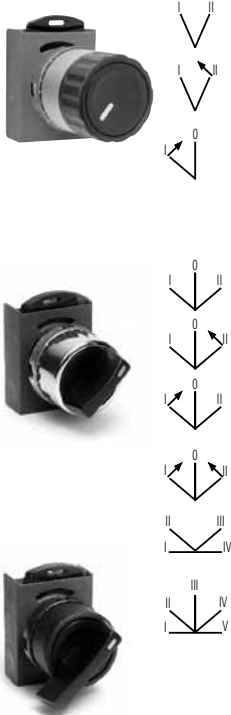


DESCRIPTION	DIA-METER	COLOUR	CHROME			PLASTIC		
			CAT REF CHROME	ORDER CODE	PRICE \$ excl. GST	CAT REF PLASTIC	ORDER CODE	PRICE \$ excl. GST
Spring Return	28mm	Red	P9CEM3RN	190031	52.20	P9XEM3RN	185031	46.10
	40mm	Black	P9CEM4NN	190040	52.20	P9XEM4NN	185040	46.10
	40mm	Red	P9CEM4RN	190041	52.20	P9XEM4RN	185041	46.10
	40mm	Green	P9CEM4VN	190042	52.20	P9XEM4VN	185042	46.10
	40mm	Yellow	P9CEM4GN	190043	52.20	P9XEM4GN	185043	46.10
	60mm	Red	P9CEM6RN	190051	57.20	P9XEM6RN	185051	48.40
Push-Pull to Release	40mm	Red	P9CET4RN1	190061	76.40	P9XET4RN1	185061	70.60
Push-Twist to Release	28mm	Red	P9CER3RN	190070	74.00	P9XER3RN	185070	70.60
	40mm	Red	P9CER4RN	190071	70.40	P9XER4RN	185071	70.60
Push-Key to Release	40mm	Red	P9CEC4RN95	190073	138.30	P9XEC4RN95	185074	126.80



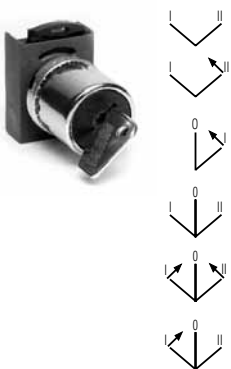
IB Selector Switches (Black) IP66

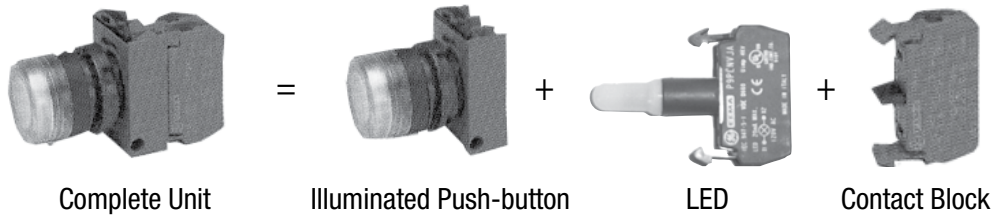
DESCRIPTION	CAT REF	CHROME		PLASTIC		
		ORDER CODE	PRICE \$ excl. GST	CAT REF	ORDER CODE	PRICE \$ excl. GST
2 Position Selector Push-button Toggle Switch Fixed Short Handle Fixed Long Handle Spring Return Right to Centre Short Handle Spring Return Right to Centre Long Handle Spring Return Left to Centre Short Handle Spring Return Left to Centre Long Handle	P9CPS22G	190691	75.10			
	P9CCD	190695	60.50	P9XCD	185695	56.20
	P9CSMD0N	190110	50.20	P9XSMD0N	185110	42.50
	P9CSVD0N	190370	56.20	P9XSVD0N	185370	44.90
	P9CSMI5N	190150	62.50	P9XSMI5N	185150	59.50
	P9CSVI5N	190374	66.80	P9XSVI5N	185374	58.30
	P9CSMH1N	190160	62.50	P9XSMH1N	185160	59.50
	P9CSVH1N	190375	66.80	P9XSVH1N	185375	58.30
3 Position Selector Push-button Fixed Short Handle Fixed Long Handle 1 Spring Return Right to Centre Short Handle 1 Spring Return Right to Centre Long Handle 1 Spring Return Left to Centre Short Handle 1 Spring Return Left to Centre Long Handle 2 Spring Returns to Centre Short Handle 2 Spring Returns to Centre Long Handle	P9CBS35G	190694	75.10			
	P9CSMZ0N	190200	51.80	P9XSMZ0N	185200	43.70
	P9CSVZ0N	190379	51.60	P9XSVZ0N	185379	49.10
	P9CSMZ5N	190280	59.40	P9XSMZ5N	185280	57.00
	P9CSVZ5N	190387	58.30	P9XSVZ5N	185387	51.60
	P9CSMZ1N	190240	59.40	P9XSMZ1N	185240	57.00
	P9CSVZ1N	190383	58.30	P9XSVZ1N	185383	51.60
	P9CSMZ3N	190320	56.20	P9XSMZ3N	185320	50.20
P9CSVZ3N	190391	59.80	P9XSVZ3N	185391	51.80	
4 Position Fixed Short Handle Fixed Long Handle	P9CSMX0N	190330	80.50	P9XSMX0N	185330	76.40
	P9CSVX0N	190392	82.80	P9XSVX0N	185392	75.40
5 Position Fixed Short Handle Fixed Long Handle	P9CSMY0N	190350	80.50	P9XSMY0N	185350	76.40
	P9CSVY0N	190394	82.80	P9XSVY0N	185394	75.40



IB Key Selector Switches (Black) IP66

DESCRIPTION	KEY REMOVAL POSITION	CAT REF	CHROME		PLASTIC		
			ORDER CODE	PRICE \$ excl. GST	CAT REF	ORDER CODE	PRICE \$ excl. GST
2 Position Fixed Fixed Fixed 1 Spring Rtrn R-L Fixed 1 Spring Rtrn R-C	I	P9CSCD0A95	190400	123.80	P9XSCD0A95	185400	117.70
	I+I	P9CSCD0K95	190402	123.80	P9XSCD0K95	185402	117.70
	I	P9CSCD5A95	190409	139.50	P9XSCD5A95	185409	123.80
	0	P9CSCI5C95	190410	139.50	P9XSCI5C95	185410	123.80
3 Position Fixed Fixed Fixed Fixed Fixed Fixed 2 Spring Rtrn to Ctr 1 Spring Rtrn LH to Ctr 1 Spring Rtrn LH to Ctr	0	P9CSCZ0C95	190434	135.90	P9XSCZ0C95	185434	123.80
	II	P9CSCZ0E95	190435	135.90	P9XSCZ0E95	185435	123.80
	I	P9CSCZ0A95	190433	135.90	P9XSCZ0A95	185433	123.80
	I+II	P9CSCZ0K95	190437	135.90	P9XSCZ0K95	185437	123.80
	I+0+II	P9CSCZ0T95	190439	135.90	P9XSCZ0T95	185439	123.80
	0	P9CSCZ3C95	190467	135.90	P9XSCZ3C95	185467	123.80
	II	P9CSCZ1E95	190450	135.90	P9XSCZ1E95	185450	123.80
	0	P9CSCZ1C95	190449	135.90	P9XSCZ1C95	185449	123.80





IF Illuminated Push-buttons IP66

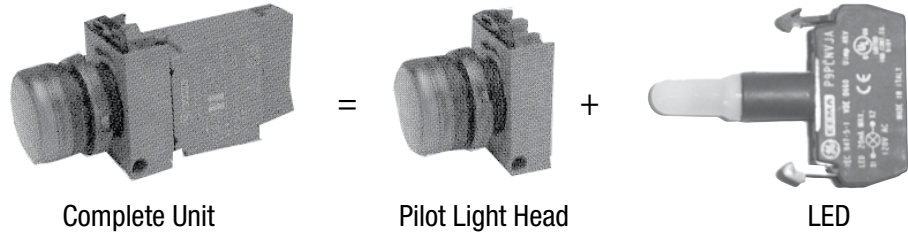
DESCRIPTION	COLOUR	CAT REF	CHROME		PLASTIC		PRICE \$ excl. GST
			ORDER CODE	PRICE \$ excl. GST	CAT REF	ORDER CODE	
Flush Push-button Diffused Lens Spring Return	Red	P9CPLRGD	190491	48.60	P9XPLRGD	185491	32.20
	Green	P9CPLVGD	190492	48.60	P9XPLVGD	185492	32.20
	Yellow	P9CPLGGD	190493	48.60	P9XPLGGD	185493	32.20
	Orange	P9CPLAGD	190495	48.60	P9XPLAGD	185495	32.20
	Blue	P9CPLLGD	190496	48.60	P9XPLLGD	185496	32.20
	White	P9CPLBGD	190497	48.60	P9XPLBGD	185497	32.20
	Clear	P9CPLIGD	190498	48.60	P9XPLIGD	185498	32.20
Raised Push-button Diffused Lens Spring Return	Red	P9CPLRSD	190501	48.60	P9XPLRSD	185501	32.20
	Green	P9CPLVSD	190502	48.60	P9XPLVSD	185502	32.20
	Yellow	P9CPLGSD	190503	48.60	P9XPLGSD	185503	32.20
	Orange	P9CPLASD	190505	48.60	P9XPLASD	185505	32.20
	Blue	P9CPLLSD	190506	48.60	P9XPLLSD	185506	32.20
	White	P9CPLBSD	190507	48.60	P9XPLBSD	185507	32.20
	Clear	P9CPLISD	190508	48.60	P9XPLISD	185508	32.20

IF Illuminated Emergency Stop Push-buttons IP66

Spring Return	40mm	Red	P9CEM4RL	190551	88.30	P9XEM4RL	185551	79.50
Push-Pull Release	40mm	Red	P9CET4RL1	190561	107.00	P9XET4RL1	185561	96.40

IF Illuminated Selector Switches IP66

2 Position Fixed	Red	P9CSLDOR	190591	67.40	P9XSLDOR	185591	57.00
	Green	P9CSLD0V	190592	67.40	P9XSLD0V	185592	57.00
	Yellow	P9CSLD0G	190593	67.40	P9XSLD0G	185593	57.00
	Orange	P9CSLD0A	190595	67.40	P9XSLD0A	185595	57.00
	Blue	P9CSLD0L	190596	67.40	P9XSLD0L	185596	57.00
	White	P9CSLD0B	190597	67.40	P9XSLD0B	185597	57.00
	Clear	P9CSLD0I	190598	67.40	P9XSLD0I	185598	57.00
3 Position Fixed	Red	P9CSLZOR	190601	67.40	P9XSLZOR	185601	57.00
	Green	P9CSLZOV	190602	67.40	P9XSLZOV	185602	57.00
	Yellow	P9CSLZOG	190603	67.40	P9XSLZOG	185603	57.00
	Orange	P9CSLZOA	190605	67.40	P9XSLZOA	185605	57.00
	Blue	P9CSLZOL	190606	67.40	P9XSLZOL	185606	57.00
	White	P9CSLZOB	190607	67.40	P9XSLZOB	185607	57.00
	Clear	P9CSLZOI	190608	67.40	P9XSLZOI	185608	57.00



IE Illuminated Pilot Light IP66

DESCRIPTION	COLOUR	CAT REF	CHROME		PLASTIC		
			ORDER CODE	PRICE \$ excl. GST	CAT REF	ORDER CODE	PRICE \$ excl. GST
Diffused Lens for LEDs	Red	P9CLRD	190791	24.90	P9XLRD	185791	17.60
	Green	P9CLVD	190792	24.90	P9XLVD	185792	17.60
	Yellow	P9CLGD	190793	24.90	P9XLGD	185793	17.60
	Orange	P9CLAD	190795	24.90	P9XLAD	185795	17.60
	Blue	P9CLLD	190796	24.90	P9XLLD	185796	17.60
	White	P9CLBD	190797	24.90	P9XLBD	185797	17.60
	Clear	P9CLID	190798	24.90	P9XLID	185798	17.60



IE Unibloc Pilot Light (Complete) IP66

Diffused Lens	Red	P9XURDRN	185841	27.40
	Green	P9XUVDRN	185842	27.40

230V with resistor refracted lens. BA9110V 2W bulb included



IN Double Function Push-buttons (plastic) IP66

	P9DPLVRG01	186891	46.10
	P9DPLVRS01	186893	46.10



IJ Double Function Clear Cap IP66

Clear Cap (IEC 529)	Flush/Raised	P9ADCST	187796	17.00
Silicon	Flush/Flush	080CPDT	173208	17.00



IG Integral LED (Panel Mount)



SUPPLY VOLTAGE	COLOUR	CAT REF	ORDER CODE	PRICE \$ excl.GST
24V AC/DC	Orange	P9PLNVDA	197000	34.90
	White	P9PLNVDB	197001	34.90
	Yellow	P9PLNV DG	197002	34.90
	Blue	P9PLNV DL	197003	34.90
	Red	P9PLNV DR	197004	34.90
	Green	P9PLNV DV	197005	34.90
110-120V AC	Orange	P9PLNVJA	197006	35.80
	White	P9PLNVJB	197007	38.80
	Yellow	P9PLNVJG	197008	35.80
	Blue	P9PLNVJL	197009	35.80
	Red	P9PLNVJR	197010	35.80
	Green	P9PLNVJV	197011	35.80
220-240V AC	Orange	P9PLNVNA	197012	49.20
	White	P9PLNVNB	197013	49.20
	Yellow	P9PLNVNG	197014	49.20
	Blue	P9PLNVNL	197015	49.20
	Red	P9PLNVNR	197016	49.20
	Green	P9PLNVNV	197017	49.20

IG Integral LED (Base Mount)



24V AC/DC	Orange	P9PLNBDA	197036	34.90
	White	P9PLNBDB	197037	34.90
	Yellow	P9PLNB DG	197038	34.90
	Blue	P9PLNB DL	197039	34.90
	Red	P9PLNB DR	197040	34.90
	Green	P9PLNB DV	197041	34.90
120V AC	Orange	P9PLNBJA	197042	41.20
	White	P9PLNB JB	197043	41.20
	Yellow	P9PLNB JG	197044	41.20
	Blue	P9PLNB JL	197045	41.20
	Red	P9PLNB JR	197046	41.20
	Green	P9PLNB JV	197047	41.20
230V AC	Orange	P9PLNBNA	197048	65.90
	White	P9PLNB NB	197049	65.90
	Yellow	P9PLNB NG	197050	65.90
	Blue	P9PLNB NL	197051	65.90
	Red	P9PLNB NR	197052	65.90
	Green	P9PLNB NV	197053	65.90

IG Power Supplies



DESCRIPTION	POSITION ON FLANGE	LAMP INCLUDED	CAT REF	ORDER CODE	PRICE \$ excl.GST
Full Voltage - AC/DC IEC: BA9S max 380V-2W	2 3 1	NO	P9PDNVO	187020	18.40
Resistor + Diode 220/240 V-AC BA9S 130V-2W included	X1 X2	YES	P9PRDVN	187022	56.20
Test Full Voltage - AC/DC IEC: BA9S max 380V-2W not included	X5 X1 X2	NO	P9PDTVO	187027	40.10

Suitable for all illuminated push-buttons and pilot lights

Lamp Comparison	Bulb Type	Approx. Lifespan (hours)	Service Life	Shock & Vibration Immunity	Operating Temperature	Power Consumption	Brightness
	LED	100,000	(11 yrs)	High 16g	Low (-25 to +70 °C)	Low (20mA)	High
	Incandescent(Ba9s)	2,000	(3 mths)	Low	High	High	Medium
	Neon	20,000	(28 mths)	Medium	Low	Low	Low



ID Panel Mounted Contact Blocks

DESCRIPTION	COLOUR TYPE	SPACES USED	CAT REF	ORDER CODE	PRICE \$ excl. GST
Standard	1 N/C	1	P9B01VN	187001	14.20
Opening	1 N/O	1	P9B10VN	187002	14.20
	1 N/O + 1N/C	1	P9B11VN	187000	32.80
	2 N/C	1	P9B02VN	187008	32.80
	2 N/O	1	P9B20VN	187009	32.80
	NC Late Opening	1 N/C	1	P9B01VR	187003
NO Early Closing	1 N/O	1	P9B10VA	187004	21.80



IJ Blank Insert Holder (with Black Legend Plate)

DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl. GST
Standard 30 x 50mm	P9ARTBS	188000	3.20
Extended 45 x 50mm	P9ARTBM	188001	4.40

All extended legend plates are engraved to request



IJ Insert Holder (C/W Engraved Legend Plate 30x50mm)

TEXT	ORDER CODE	PRICE \$ excl. GST	TEXT	ORDER CODE	PRICE \$ excl. GST
Stop	188201	6.00	Overload Tripped	188226	6.00
Start	188202	6.00	Stop Reset	188227	6.00
Down	188203	6.00	Emergency Stop	188229	6.00
Up	188204	6.00	For Rev	188231	6.00
Close	188205	6.00	Stop Start	188232	6.00
Open	188206	6.00	Off On	188233	6.00
Slow	188207	6.00	Open Close	188234	6.00
Fast	188208	6.00	For Off Rev	188239	6.00
Inch	188209	6.00	Power On	188240	6.00
Run	188211	6.00	Hand Auto	188243	6.00
On	188212	6.00	High Low	188244	6.00
Off	188213	6.00	Rev For	188250	6.00
Forward	188214	6.00	Start Stop	188255	6.00
Reverse	188215	6.00	Up Down	188256	6.00
Raise	188216	6.00	Auto Off Hand	188258	6.00
Lower	188217	6.00	For Stop Rev	188259	6.00
Fault	188218	6.00	Hand Off Auto	188261	13.80
Auto	188219	6.00	Man Off Auto	188269	13.80
Hand	188220	6.00	Reset	188291	6.00
Left	188222	6.00	Right	188224	6.00

Ask us for any engraving that is not listed

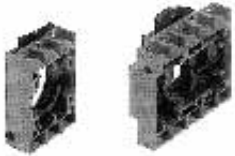


59mm Round Plate - Blank	080XTGR	179514	7.60
59mm "Emergency - Stop"	080XTGR02	179526	8.30
78mm "Emergency - Stop"	080XTG802	179536	8.40

Round plates for emergency push-buttons (Black on Yellow background)

IJ Accessories

DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl.GST
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Contact Flanges

With Three Positions (Centre Distances 30x50mm)	P9ACFS3	187841	6.30
With Five Positions (Centre Distances 50x50mm)	P9ACFS5	187842	9.00



Ring Reducers

Allows 22.5 Devices to be Mounted in 30mm Diameter Hole

Black	P9ARAX32	188803	21.80
Chrome	P9ARAM32	188801	21.80



Plugs

Use to fill an empty 22mm hole

Round	P9ARHPR	187491	9.90
Square 30 x 30mm	P9ASHP3	187792	10.30
Rectangular 30 x 50mm	P9ASHP5	187793	10.30



Covers

Protection Cover Padlocked
for Standard Push-buttons/Selector Switches
Illuminated Push-buttons/Selector Switches

	P9ACRCL	187840	48.50
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Protection Collar

Collar for Push-buttons ø 40mm	P9ARRE4	187492	27.90
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System to Convert Momentary to Maintained

Device for Standard Push-buttons and Illuminated Push-buttons

To be added only to single-pole contact blocks.	P9ACDPP	187843	37.00
The NO-contacts must be early closing types. (P9B10VA)	P9B10VA	187004	21.80




Other

Locking Ring Wrench	P9ACWAF	187845	21.50
Spare Key (code 3095)		173095	18.60
Potentiometer Operator (potentiometer not included)	P9XZ	185772	155.30
Buzzer 24V AC Frequency 85db at 1m	P9XBD	185773	182.00
Buzzer 110-240V AC Frequency 85db at 1m	P9XBM	185774	182.00



IJ Engraved Caps for Push-buttons

TEXT	SYMBOL	COLOUR	SUIT PUSH BUTTON TYPE	CAT REF	ORDER CODE	PRICE \$ excl.GST
------	--------	--------	-----------------------	---------	------------	-------------------

Reset		Blue	Flush	P9ARBGL 037	187143	6.70
Stop		Red	Flush	P9ARBGR 201	187147	6.70
			Raised	P9ARBSR 201	187247	6.70
Start		Green	Flush	P9ARBGV 201	187149	6.70
			Raised	P9ARBSV 201	187249	6.70

Caps can be removed with a knife or similar

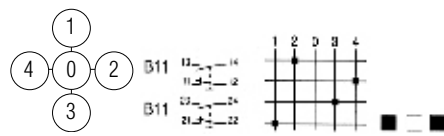
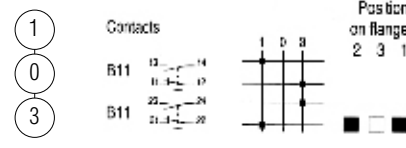
II Mechanical Reset Buttons IP66

DESCRIPTION	CAT REF CHROME	ORDER CODE	PRICE \$ excl. GST	CAT REF PLASTIC	ORDER CODE	PRICE \$ excl. GST
Reset Push-button (White Symbol On Blue Background)	P9CRG	190771	60.70	P9XRG	185771	54.80
Extending Screw (Setting Min 80mm. 170mm Max)				P9ACVLR	187844	24.90



IO Joysticks (Chrome) IP66

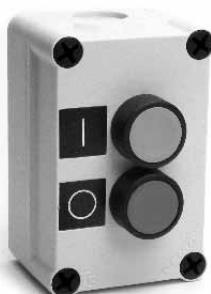
	CAT REF	ORDER CODE	PRICE \$ excl. GST
2 Positions + Central Zero Positions			
Without Interlock			
2 Fixed Positions	P9CMN2F	190700	148.10
2 Momentary Positions	P9CMN2T	190701	148.10
1 Momentary - 1 Fixed	P9CMN2A	190702	148.10
1 Fixed - 1 Momentary	P9CMN2B	190703	148.10
4 Positions + Central Zero Positions			
Without Interlock			
4 Fixed Positions	P9CMN4F	190720	151.60
4 Momentary Positions	P9CMN4T	190721	151.60
With Interlock			
4 Fixed Positions	P9CMB4F	190740	156.50
4 Momentary Positions	P9CMB4T	190741	156.50



* Contact block for use with joysticks 2 position = 1 x 187000, 4 position = 2 x 187000

IK Control Stations (Thermoplastic) IP66

COLOUR	OPERATORS	CONTACT	NAMEPLATE	CAT REF	ORDER CODE	PRICE \$ excl. GST
One Button						
Green	Flush Push-button	1 N/O	1 (Start)	P9EPA01Y02	189010	89.50
Red	Flush Push-button	1 N/C	0 (Stop)	P9EPA01Y04	189012	89.50
Key Selector Switch	2 Position (Key code 3095)	1 NO/NC	0 (Stop) - 1 (Start)	P9EPA01Y06	189014	137.90
Two Buttons (Start/Stop)						
Green	Flush Push-button	1 N/O	1 (Start)	P9EPA02Y01	189016	137.90
Red	Flush Push-button	1 N/C	0 (Stop)			
Three Buttons (Start/Stop - Pilot Light)						
Green	Flush Push-button	1 N/O	1 (Start)	P9EPA03Y01	189018	185.20
Red	Flush Push-button	1 N/C	0 (Stop)			
White	Full Voltage Pilot Light	Pilot Light	Blank			
BA9S max 380V-2W not incl.						



IK Emergency Stop Control Station IP66

COLOUR	OPERATORS	CONTACT	NAMEPLATE	CAT REF	ORDER CODE	PRICE \$ excl. GST
One Button						
Red	Emergency Push-button (with latch turn to release)	1 N/C	0 (Stop)	P9EPAG1Y08	189025	136.10
Red	Emergency Push-button with latch key to release (Key code 3095)	1 N/C	0 (Stop)	P9EPAG1Y95		192.90

Control station has yellow lid and a grey base



IK Enclosures for Push-button Stations (Thermoplastic) IP66							
DESCRIPTION	No. OF HOLES	DIMENSIONS			CAT REF	ORDER CODE	PRICE \$ excl. GST
		H (mm)	W (mm)	D (mm)			
Light Grey Coloured Base and Lid	1	72	72	57	P9EPE01	189001	45.90
	2	110	72	57	P9EPE02	189002	57.40
	3	140	72	57	P9EPE03	189003	69.40
	4	175	72	57	P9EPE04	189004	97.30
	6	235	72	57	P9EPE06	189005	122.70
Grey Base Yellow Lid (Emergency Stop) Function	1	72	72	57	P9EPEG1	189000	45.90



ID Contact Blocks (Base Mount)						
DESCRIPTION	CONTACT TYPE	SPACES USED		CAT REF	ORDER CODE	PRICE \$
Standard	1N/C	1		P9B01BN	187017	21.80
Opening	1N/O	1		P9B10BN	187018	17.60



IG Power Supplies (Base Mount)						
DESCRIPTION	POSITION ON FLANGE	2	3	1	LAMP INCLUDED	
Full Voltage- IEC: BA9S max 380V-2W		□	□	□	P9PDNB0	187070 19.50
Resistor=Diode 220/240V BA9S 130V-2W included		YES			P9PRDBN	187072 58.30

Integral LED Base Mount Range Refer page 132

IK Legend Plates for Station (20 x 20mm)							
DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl. GST	DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl. GST
WITHOUT TEXT	P9AELN	189030	3.90		P9AELN006	189041	3.90
START	P9AELN202	189031	3.90	I	P9AELN028	189042	3.90
STOP	P9AELN201	189032	3.90	O	P9AELN029	189043	3.90
FORWARD	P9AELN214	189033	3.90	II	P9AELN035	189044	3.90
REVERSE	P9AELN215	189034	3.90	III	P9AELN038	189045	3.90
CLOSE	P9AELN205	189035	3.90	O-I	P9AELN039	189046	3.90
OPEN	P9AELN206	189036	3.90	I-O-II	P9AELN042	189047	3.90
UP	P9AELN204	189037	3.90				
DOWN	P9AELN203	189038	3.90				
LEFT	P9AELN222	189152	3.90				
RIGHT	P9AELN224	189154	3.90				

Bilaminated, self-adhesive, black background, white engraving

M SERIES MINI-CONTACTORS

Industrial range of mini-contactors



- Control Circuit: AC up to 600V, DC up to 440V
- Mounting: DIN Rail or screw to gear plate
- Range of accessories, contact blocks, timers, mechanical interlocks etc.
- Front & Side mounted accessories
- AC3 rated to 12A per main contact
- Tool-less coil replacement
- Range of Thermal Overloads to suit

Standards/Approvals: IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 508, NEMA ICS-1, CSA C22.2/14, JIS C8325



VERTICAL ACTION

All GE mini contactors operate vertically rather than horizontally. This reduces the risk of jamming and increases the mechanical and electrical operations of the contactor. The coil can be replaced.

ELECTRONIC OVERLOAD RELAYS

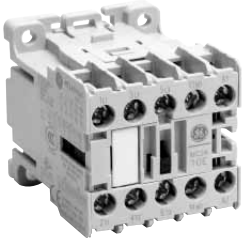
Overload relays are designed to meet the special protective needs of motor control circuits. Electronic overload relays have many advantages including:

- Low power consumption
- Safety and flexibility
- Better accuracy via digital evaluation
- Requires less inventory
- Cost savings - fewer current ranges
- Smaller cabinets due to less heat dissipation
- The benefits of an electronic overload relay include better motor protection and current control, and space savings inside the cabinet.



MAIN CHARACTERISTICS

- > Setting range from 0.1 up to 150A
- > Self powered
- > Thermal memory
- > Phase loss protection
- > Phase unbalance protection
- > Direct fitting to contactors Series CL
- > Interchangeable with thermal overload relay
- > Multiple trip class selection
- > Manual / Auto reset
- > Increased flexibility, less order codes, less stock
- > Trip class: 5 - 10 - 20 - 30



AC1	415V			AUXILIARY		CAT REF	COIL VOLTAGES				PRICE \$ excl. GST
	kW	HP	AC3	N/O	N/C		24V	110V	230V	415V	
							ORDER CODES				

JA 3 Pole Contactors AC

20A	2.2	3	6A	1	-	MC0A310AT•	102437	102439	100154	102435	90.85
20A	2.2	3	6A	-	1	MC0A301AT•	102458	102471	100164	102456	90.85
20A	4	5.5	9A	1	-	MC1A310AT•	102617	102619	100214	102615	110.40
20A	4	5.5	9A	-	1	MC1A301AT•	102638	102640	100224	102636	110.40
20A	5.5	7.3	12A	1	-	MC2A310AT•	103577	135701	103574	135704	114.20
20A	5.5	7.3	12A	-	1	MC2A301AT•	103569	103358	103566	135705	114.20

JA 3 Pole Contactors DC

20A	2.2	3	6A	1	-	MC0C310AT•	100156				114.50
20A	2.2	3	6A	-	1	MC0C301AT•	100166				114.50
20A	4	5.5	9A	1	-	MC1C310AT•	100216				118.05
20A	4	5.5	9A	-	1	MC1C301AT•	100226				118.05

Low Consumption Coil 1.2W (PLC)

20A	4	5.5	9A	1	-	MC1I310AT•	100572				118.05
20A	4	5.5	9A	-	1	MC1I301AT•	100573				118.05
20A	5.5	7.3	12A	1	-	MC2I310AT•	100559				196.65
20A	5.5	7.3	12A	-	1	MC2I301AT•	100538				196.65

AC1	415V			POWER		CAT REF	COIL VOLTAGES				PRICE \$ excl. GST
	kW	HP	AC3	N/O	N/C		24V	110V	230V	415V	
							ORDER CODES				

JA 4 Pole Contactors AC

20A	4	5.5	9A	4	-	MC1A400AT•	102986	102988	100364	102984	119.75
20A	4	5.5	9A	-	4	MC1AA00AT•	103028	103030	100384	103026	123.50
20A	4	5.5	9A	2	2	MC1AB00AT•	103007	103009	100374	103005	123.50
20A	5.5	7.3	12A	4	-	MC2A400AT•	101645	101646	116177	116193	137.40

JE 4 Pole Contactors DC

20A	4	5.5	9A	4	-	MC1C400AT•	100366				128.30
20A	4	5.5	9A	2	2	MC1CB00AT•	100376				133.15

Other coil voltages available on request

JD Replacement Coils

AC						MB0A•	102407	102409	100454	102405	38.85
DC						MB0C•	100466				48.20

JB Thermal Overloads

SETTING RANGE		CAT REF	ORDER CODE	PRICE \$ excl. GST
MIN.	MAX.			
0.11	0.17	MT03A	101000	135.80
0.17	0.26	MT03B	101001	135.80
0.26	0.43	MT03C	101002	135.80
0.43	0.65	MT03D	101003	135.80
0.65	1	MT03E	101004	135.80
0.85	1.3	MT03F	101005	135.80
1.1	1.6	MT03G	101006	135.80
1.35	2	MT03H	101007	135.80
1.7	2.4	MT03I	101008	135.80
2.2	3.2	MT03J	101009	135.80
2.5	4	MT03R	101015	135.80
3	4.7	MT03K	101010	135.80
4	6.3	MT03L	101011	135.80
5.5	8	MT03M	101012	135.80
7.5	10.5	MT03N	101013	135.80
10	14	MT03P	101014	135.80



JC Accessories for Thermal Overload Relays



DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl.GST
Base for separate mounting of the Overload Relay on 35mm Din Rail	MVB0T	101021	18.80
Input terminals for separate mounting	MVE0T	101020	34.20
Auxiliary instantaneous contact block. Frontal fixing to the relay	MATV10AT	101022	27.10
With trip indicator (0-1). One block per relay and only for manual reset			

Accessories for Mini Contactors

JC Auxiliary Contacts

MOUNTING	CONTACTS		CAT REF	ORDER CODE	PRICE \$ excl.GST
	NO	NC			
Front	1	1	MACN211AT	100999	31.40
	-	2	MACN202AT	100998	31.40
	2	-	MARN220AT	100994	31.40
	2	2	MACN422AT	100996	45.80
	1	3	MACN413AT	100995	45.80
	3	1	MACN431AT	100997	45.80
	4	-	MARN440AT	100991	45.80
	-	4	MARN404AT	100987	45.80
	Side (Left or Right)	-	1	MACL101AT	100561
1		-	MACL110AT	100560	25.45

Minimum operational power -5mA 17V

JC Voltage Suppressor Block



For suppression of disturbances in electronic circuits due to the coil transient voltage occurring on opening of the contactor. Limits high voltage transients that may be produced when coil is de-energised.

SURGE SUPPRESSOR TYPE	CONTROL	VOLTAGE	CAT REF	ORDER CODE	PRICE \$ excl. GST
R/C	AC	12...60V 50/60 Hz	MPOAAE1	100544	39.95
	AC	72...250V 50/60Hz	MPOAAE2	100545	39.95
Diode	DC	6...250V DC	MPOCAE3	100546	39.95

Connection and (plug-in) fixing on to the contactor

Not suitable for low consumption coil contactors

JC Mechanical Interlock

Used for interlocking of two contactors, prevents the closing of one contactor (as long as the other remains closed).

MOUNTING	CAT REF	ORDER CODE	PRICE \$ excl. GST
Horizontal - Side Mounting	MMHO	100547	13.20

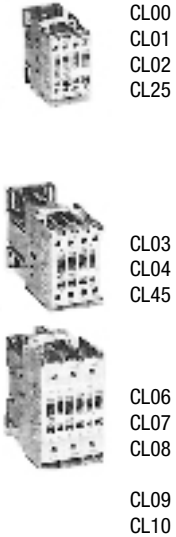
JC Electronic Timer Blocks



CONTROL circ.	FUNCTION	TIME	CAT REF	ORDER CODE	PRICE \$ excl. GST
24-250V AC/DC	Delay ON	0.5 - 60 s.	MREBC10AC2	100541	167.90
24-250V AC/DC	Delay ON	0.2 - 24 s.	MREBC20AC2	100542	167.90
DIN rail adaptor for electronic timer block			MVBOR	100543	14.80

Side or front mounting

4 FRAME SIZES



AC1	415V			AUXILIARY		CAT REF	COIL VOLTAGES				PRICE \$ excl. GST
	kW	HP	AC3	N/O	N/C		24V	110V	230V	415V	
							ORDER CODES				

JH 3 Pole Contactors AC

25A	4	5.5	9A	1	-	CL00A310T•	109173	109175	104054	109169	133.75
25A	4	5.5	9A	-	1	CL00A301T•	109197	109199	104064	109193	133.75
25A	5.5	7.5	12A	1	-	CL01A310T•	109244	109246	104084	109240	142.50
25A	5.5	7.5	12A	-	1	CL01A301T•	109268	109270	104094	109264	142.50
32A	7.5	10	18A	1	-	CL02A310T•	109317	109319	104114	109313	198.00
32A	7.5	10	18A	-	1	CL02A301T•	109341	109343	104124	109337	198.00
45A	11	15	25A	-	-	CL25A300T•	110728	110730	110804	110724	262.85
45A	12	16	25A	1	-	CL03A310M•	109389	109391	104144	109385	262.85
45A	12	16	25A	-	1	CL03A301M•	109413	109415	104154	109409	262.85
60A	16	22	32A	1	-	CL04A310M•	109461	109463	104174	109457	320.95
60A	16	22	32A	-	1	CL04A301M•	109485	109487	104184	109481	320.95
60A	22	30	40A	1	1	CL45A311M•	112821	112823	112804	112817	383.85
90A	25	34	50A	1	1	CL06A311M•	109580	109582	104224	109576	611.10
110A	37	50	65A	1	1	CL07A311M•	109628	109630	104244	109624	664.55
110A	45	60	80A	1	1	CL08A311M•	109676	109678	104264	109672	910.55
140A	50	68	95A	1	1	CL09A311M•	109724	109726	104284	109720	1005.55
140A	55	75	105A	1	1	CL10A311M•	109772	109774	104304	109768	1141.90

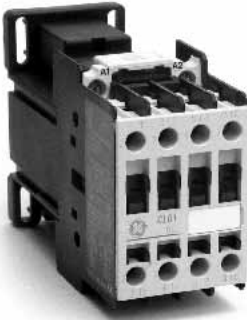
JM 3 Pole Contactors DC

25A	4	5.5	9A	1	-	CL00D310T•	112006				237.25
25A	5.5	7.5	12A	1	-	CL01D310T•	112026				204.80
32A	7.5	10	18A	1	-	CL02D310T•	112046				292.05
45A	11	15	25A	-	-	CL25D300T•	112066				309.90
45A	12	16	25A	1	-	CL03D310M•	112076				362.15
60A	16	22	32A	1	-	CL04D310M•	112096				370.75
60A	22	30	40A	-	-	CL45D300M•	112116				618.95
90A	25	34	50A	-	-	CL06E300M•	112126				798.50
110A	37	50	65A	-	-	CL07E300M•	112136				1076.65
110A	45	60	80A	-	-	CL08E300M•	112146				1273.65
140A	50	68	95A	-	-	CL09E300M•	112156				1455.95
140A	55	75	105A	-	-	CL10E300M•	112166				1586.25

AC1	415V			POWER		CAT REF	COIL VOLTAGES				PRICE \$ excl. GST
	kW	HP	AC3	N/O	N/C		24V	110V	230V	415V	
							ORDER CODES				

JH 4 Pole Contactors AC

25A	18	12A	4	-	CL01A400T•	110600	110602	104314	109891	177.30
25A	5.5	12A	2	2	CL01AB00T•	110656	110658	104384	110066	177.30
32A	23	18A	4	-	CL02A400T•	110608	110610	104324	109907	232.10
32A	7.5	18A	2	2	CL02AB00T•	110664	142231	104394	110082	232.10
45A	32	25A	4	-	CL03A400M•	110616	110618	104334	109923	274.15
45A	12	25A	2	2	CL03AB00M•	110672	110674	104404	110098	274.15
60A	43	32A	4	-	CL04A400M•	110624	110626	104344	109939	394.50
60A	16	32A	2	2	CL04AB00M•	110680	110682	104414	110114	394.50
90A	22	50A	4	-	CL05A400M•	110632	110634	104354	109955	691.30
90A	22	50A	2	2	CL05AB00M•	110688	110690	104424	110129	797.00
110A	79	65A	4	-	CL07A400M•	110762	110642	104364	109971	825.00
110A	37	65A	2	2	CL07AB00M•	110696	110698	104434	110145	875.00
110A	45	80A	2	2	CL08AB00M•	110704	110706	104444	110161	1136.60
140A	100	95A	4	-	CL09A400M•	110648	110650	104374	109987	1203.40



AC1	415V			POWER		CAT REF	COIL VOLTAGES				PRICE \$ excl. GST
	kW	HP	AC3	N/O	N/C		24V	110V	230V	415V	
							ORDER CODES				

JM 4 Pole Contactors DC

25A	18	12A	4	-	CL01A400T•	112176	285.30
25A	5.5	12A	2	2	CL01AB00T•	112246	285.30
32A	23	18A	4	-	CL02A400T•	112186	327.30
32A	7.5	18A	2	2	CL02AB00T•	112256	327.30
45A	32	25A	4	-	CL03A400M•	112196	388.45
45A	12	25A	2	2	CL03AB00M•	112276	652.00
60A	43	32A	4	-	CL04A400M•	112201	652.00
60A	16	32A	2	2	CL04AB00M•	112276	652.00
90A	22	50A	4	-	CL05A400M•	112216	861.80
90A	22	50A	2	2	CL05AB00M•	112286	958.70
110A	79	65A	4	-	CL07A400M•	112226	1176.55
110A	37	65A	2	2	CL07AB00M•	112296	1295.10
110A	45	80A	2	2	CL08AB00M•	112306	1834.70
140A	100	95A	4	-	CL09A400M•	112236	1666.50

JF Series RL Auxiliary Contactors (Control Relays) AC

For switching of resistive and AC2 type loads

10A	-	4	RL4RA004T•	109088	109090	104034	109084	97.70
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Replacement Coils AC & DC

AC	CL00...CL25	LB1A•	110416	110418	104634	110412	90.85
	CL03...CL45	LB3A•	110449	110451	104644	110445	90.85
	CL05...CL10	LB4A•	110482	110484	104654	110478	114.55
DC	CL00...CL25	LB1D•	112316				110.15
	CL03...CL45	LB3D•	112326				185.30
	CL05...CL10	LB4E•	112336				320.95

JJ Auxiliary Contacts CL & CK Series



MOUNTING	CONTACTS		CAT REF	ORDER CODE	PRICE \$ excl. GST
	NO	NC			
FRONT	1	-	BCLF10	104700	18.60
	-	1	BCLF01	104701	18.60
	Make before Break	1	BCLF01G	104703	20.25
	Make before Break	1	BCLF10G	104702	20.25
Side (Left or Right)	1	1	BCLL11	104707	61.45
	2	-	BCLL20	104706	61.45
Side, combinations of more than 2 blocks	1	1	BRLL11	104705	61.45
	2	-	BRLL20	104704	61.45

MAXIMUM NUMBER OF AUXILIARY CONTACT BLOCKS PER EACH CONTACTOR		
FOR USE WITH	MAXIMUM NUMBER OF AUX. CONTACT BLOCKS	ARRANGEMENT OF AUX. CONTACT BLOCKS
5-15 HP Contactors (CL00, CL01, CL02, CL25)	4	4 Front-Mount, or 1 Side-Mount on each side
20-25 HP Contactors (CL03, CL04, CL45)	6	4 Front-Mount, plus 1 Side-Mount, or 2 Front-Mount plus 1 Side-Mount on each side
30-75 HP Contactors (CL05, CL06, CL07, CL08, CL09, CL10)	8	6 Front-Mount, plus 1 Side-Mount, or 2 Side-Mount on each side



JJ Mechanical Interlock

MOUNTING	TYPE	FOR USE WITH			
Horizontal	Mechanical	CL & RL	BELA	104723	45.20
Horizontal	Mech./Electrical	CL00...CL45	BELA02	104724	57.90



JJ RT1 Thermal Overloads (for use with CL00 - CL45)

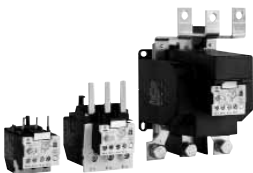


SETTING RANGE CAT		ORDER REF	PRICE \$ CODE	excl. GST
MIN	MAX			
0.16	0.26	RT1B	113700	154.55
0.25	0.41	RT1C	113701	154.55
0.4	0.65	RT1D	113702	154.55
0.65	1.1	RT1F	113703	154.55
1	1.5	RT1G	113704	154.55
1.3	1.9	RT1H	113705	154.55
1.8	2.7	RT1J	113706	154.55
2.5	4	RT1K	113707	154.55
4	6.3	RT1L	113708	154.55
5.5	8.5	RT1M	113709	154.55
8	12	RT1N	113710	158.55
10	16	RT1P	113711	163.20
14.5	18	RT1S	113712	169.85
17.5	22	RT1T	113713	179.95
21	26	RT1U	113714	179.95
25	32	RT1V	113715	249.45
30	40	RT1W	113716	249.45

JP RT2 Thermal Overloads (for use with (CL05 - CL10))

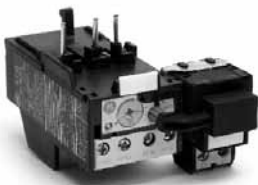
11.5	15	RT2A	113717	435.80
14.5	19	RT2B	113718	435.80
18.5	25	RT2C	113719	435.80
24	32	RT2D	113720	435.80
30	43	RT2E	113721	435.80
42	55	RT2G	113722	470.80
54	65	RT2H	113723	470.80
64	82	RT2J	113724	522.20
78	97	RT2L	113725	568.80
90	110	RT2M	113726	568.80

JK Electronic Overloads



0.1	0.5A	101866	245.00
0.4	2A	101867	245.00
1	5A	101868	245.00
1.6	8A	101869	245.00
6.4	32A	101870	245.00
9	45A	101871	345.00
15	75A	101872	485.00
22	110A	101873	525.00
30	150A	101874	1995.00

JY Remote Electrical Reset



DESCRIPTION	CAT REF	ORDER CODES - COIL VOLTAGES				PRICE \$ excl. GST
		24V	110V	230V	415V	
Remote Electrical Reset AC/DC	RTXRR•	113662	113664	113665	113666	316.50

For use with RT RANGE

JJ Accessories for Thermal Overload Relays



DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl. GST
Base for separate mounting of the Overload Relay on 35mm Din Rail	For use with RT1	RTXP	105170
	For use with RT2	RT2XP	113764
Setting range cover protection	For use with RT Range	RTX3	113762



JJ Push-button with Flexible Cable IP66

DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl. GST
Beldon Cable Length 500mm	RTXS	113855	237.80
Beldon Cable Length 1 Metre	RTXSL	113856	356.30

JJ Transient Voltage Suppressor Block

For suppression of disturbances in electronic circuits due to the coil transient voltage occurring on opening of the contactor. Limits high voltage transients that may be produced when coil is de-energised.



SURGE SUPPRESSOR TYPE	CONTROL	VOLTAGE	FOR USE WITH	CAT REF	ORDER CODE	PRICE \$ excl. GST
R/C	AC	24V...48V	CL00...CL45	BSLR2G	104713	44.65
		50V...127V	RL4RA...	BSLR2K	104714	44.65
Diode		130V...240V		BSLR2R	104715	44.65
R/C	AC	24V...48V	CL05A...CL10A	BSLR3G	104716	81.35
		50V...127V		BSLR3K	104717	81.35
		130V...240V		BSLR3R	104718	81.35
Diode	DC	12V...600V	CL...D...RL4RC	BSLDZ	104719	65.00
Varistor	AC/DC	24V...48V	CL00...CL10	BSLV3G	104720	81.35
		50V...127V	RL4RA...	BSLV3K	104721	81.35
		130V...240V		BSLV3R	104722	81.35
		277V...500V	RL4RC...	BSLV3U	110836	81.35

Directly connected parallel to the coil terminals A1-A2

JJ Interface Module

Interface between the DC control signal (PLC) and the AC operating mechanism of the contactor. Directly connected in parallel to the coil terminals A1-A2 without cables, giving the facility of being used together with front and/or side mounted auxiliary contact blocks.



TYPE	Ue (DC)	CONTROL CIRC.	CAT REF	ORDER CODE	PRICE \$ excl. GST
Relay	24V	24-250V AC	IMRD	113606	143.55
Relay + Forced Operation	24V	24-250V AC	IMRFD	113608	227.40
Solid State	24V	24-250V AC	IMSSD	113610	279.55
		24-250V DC			
Auto/Manual/Off control		24-250V AC/DC	IMAMS	113611	242.40

For use with all CL & RL contactors

Electronic Timer Blocks

CONTROL circ.	FUNCTION	TIME	CAT REF	ORDER CODE	PRICE \$ excl. GST
24-250 V AC/DC	Delay ON	0.1 - 2 s.	BETL02C	113602	221.50
	Delay ON	1.5 - 45 s.	BETL45C	113603	221.50
	Delay OFF	0.1 - 2 s.	BETL02D	113604	221.50
	Delay OFF	1.5 - 45 s.	BETL45D	113605	221.50

Directly Connected Parallel to the Coil Terminals A1-A2

For use with all CL contactors

JJ Pneumatic Timer Blocks

Pneumatic timers are adjustable time-delayed auxiliary contacts. They come equipped with two time-delayed contacts: 1 NO and 1 NC, electrically separated. To mount a pneumatic timer, simply clip it on front face of contactor.



MOUNTING	FUNCTION	TIME	CONTACTS	CAT REF	ORDER CODE	PRICE \$ excl. GST
Front	delay ON	0.1...30 s.	1 1	BTLF30C	104709	173.20
	delay ON	1.0...60 s.	1 1	BTLF60C	104710	173.20
Front	delay OFF	0.1...30 s.	1 1	BTLF30D	104711	205.95
	delay OFF	1.0...60 s.	1 1	BTLF60D	104712	205.95
Sealing Cover Protection for Pneumatic Timer				BTLFX	113001	27.10

For use with all CL & RL contactors

CONTROL CIRCUIT	AC1	415V			AUXILIARY N/O N/C	CAT REF	COIL VOLTAGES				PRICE \$ excl. GST
		kW	HP	AC3			24V	110V	230V	415V	
							ORDER CODES				



JO 3 Pole Contactors AC & DC

AC	250A	80	108	150A	1	1	CK75CA311•	113101	113103	133188	113120	1675.60
AC/DC	250A	80	108	150A	1	1	CK75CE311•	113106	113108	113109	113125	2311.10
AC	250A	100	135	185A	1	1	CK08CA311•	113131	113133	133187	113147	2292.70
AC/DC	250A	100	135	185A	1	1	CK08CE311•	113136	113138	113139	113152	2796.80
AC	325A	125	170	205A	1	1	CK85BA311•	104471	104473	104474	110276	2640.00
AC/DC	315A	125	170	205A	1	1	CK85BE311•	104476	104478	104479	110281	3264.10
AC/DC	315A	132	180	250A	1	1	CK09BE311•	104486	104488	104489	110299	3264.10
AC/DC	450A	160	218	309A	1	1	CK95BE311•	104616	104618	104614	104611	4276.00
AC/DC	600A	230	312	420A	1	1	CK10CE311•	133783	133784	133286	133785	5493.40
AC/DC	700A	315	425	550A	1	1	CK11CE311•	133789	133790	133288	133791	6380.90
AC/DC	1000A	400	540	700A	1	1	CK12BE311•	104516	104518	104519	110305	9030.50
AC	1250A	450	610	825A	1	1	CK13BA311•	-	104523	104524	104525	15046.90

JO 4 Pole Contactors AC & DC

AC	200A	143	-	-	1	1	CK07BA411•	104531	104533	104534	104535	1854.10
AC/DC	200A	143	-	-	1	1	CK07BE411•	104536	104538	104539	110340	2098.60
AC	325A	233	-	-	1	1	CK08BA411•	104541	104543	104544	110353	2725.10
AC/DC	325A	233	-	-	1	1	CK08BE411•	104546	104548	104549	110358	3690.20
AC/DC	400A	287	-	-	1	1	CK09BE411•	104556	104558	104559	110376	5357.70
AC/DC	500A	359	-	-	1	1	CK95BE411•	104560	104568	104569	110378	6362.10
AC/DC	600A	431	-	-	1	1	CK10BE411•	133786	133787	133287	133788	6540.10
AC/DC	700A	503	-	-	1	1	CK11BE411•	133972	133793	133289	133794	8662.90
AC/DC	1000A	719	-	-	1	1	CK12BE411•	104596	104598	104599	110384	11780.70
AC		898	-	-	1	1	CK13BA411•	-	104603	104604	104605	18949.30

Replacement Coils

						AC	
NO ELECTRONIC MODULE	CK75CA3...CK08CA3...	C12168•	104895	104893	104894	105313	331.90
	CK85BA3...CK07BA4...	C04255•	104811	104813	104814	110511	281.10
	CK08BA4...	C04787•	104821	104823	104824	110527	752.30
	CK13BA3...CK13BA4...	C08998•	104572	104833	104834	104835	840.70

JR Replacement Coils & Electronic Modules AC & DC

CK COIL	CK75CE3...CK08CE3...	KB4E•	104950	104957	104958	104959	304.10
	CK85BE3...CK09BE3...CK95BE3...						
	CK07BE4...	KB5E•	104850	104857	104858	104859	338.00
	CK12BE3...CK09BE4...CK08BE4...						
	CK95BE4...CK12BE4...	KB6E•	104860	104867	104868	104869	914.10
CK ELECTRONIC MODULE	CK10CE3...CK11CE3...						
	CK10CE4...CK11CE4...	KB7E•	113675	113673	113672	113671	914.10
	CK75CE3...CK08CE3...	KM4E•	104960	104967	104968	104969	1418.80
	CK85BE3...CK09BE3...CK95BE3...						
	CK07BE4...	KM5E•	104870	104877	104878	104879	1713.50
	CK12BE3...CK09BE4...CK08BE4...						
	CK95BE4...CK12BE4...	KM6E•	104880	104887	104888	104889	1713.50
CK10CE3...CK11CE3...							
CK10CE4...CK11CE4...	KM7E•	113427	113429	113430	113431	1713.50	



JJ Auxiliary Contacts CL & CK Series

MOUNTING	CONTACTS		CAT REF	ORDER CODE	PRICE \$ excl.GST
	NO	NC			
FRONT	1	-	BCLF10	104700	18.60
	-	1	BCLF01	104701	18.60
	Make before Break	1	BCLF01G	104703	20.25
	Make before Break	1	BCLF10G	104702	20.25
Side (Left or Right)	1	1	BCLL11	104707	61.45
	2	-	BCLL20	104706	61.45
Side, combinations of more than 2 blocks	1	1	BRLL11	104705	61.45
	2	-	BRLL20	104704	61.45

MAXIMUM NUMBER OF AUXILIARY CONTACT BLOCKS PER EACH CONTACTOR

FOR USE WITH	MAXIMUM NUMBER OF AUX. CONTACT BLOCKS	ARRANGEMENT OF AUX. CONTACT BLOCKS
100-500 HP Contactors (CK75, CK08, CK09, CK95, CK10, CK11, CK12)	8	2 Side-Mount on each side

FOR USE WITH	SETTING RANGE		CAT REF	ORDER CODE	PRICE \$ excl. GST
	MIN	MAX			

JP RT3 Thermal Overloads (for use with CK75 & CK08)

CK75	55	80	RT3B	113727	835.40
CK08	63	90	RT3C	113728	843.30
Direct Mounting	90	120	RT3D	113729	843.30
	110	140	RT3E	113730	963.70
	140	190	RT3F	113731	963.70

JP RT4 Thermal Overloads (for use with CK85, 09, 95)

CK85	120	190	RT4N	113732	949.90
CK09	175	280	RT4P	113733	1225.60
CK95	200	310	RT4R	113734	1225.60

JP RT5 Thermal Overloads (for use with CK10, 11, 12)

CK10	120	190	RT5A	113750	1237.80
CK11	175	280	RT5B	113751	1237.80
CK12	250	400	RT5C	113752	1237.80
	315	500	RT5D	113753	2026.00
	430	700	RT5E	113754	2026.00

JP RT6 Thermal Overloads (for use with CK13)

CK13	500	850	RT6A	113760	2279.40
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JQ Single Pole Protection Covers

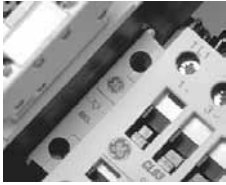
DESCRIPTION	QTY	CAT REF	IPXXB	
for CK75C - CK08C	Set = 2	PTPCK75	103747	103.15
for CK85 - CK95	Set = 6	PTPCK95	103748	346.05
for CK10C - CK12C	Set = 2	PTPCK11	103749	126.55

JJ Transient Voltage Suppressor Block

For suppression of disturbances in electronic circuits due to the coil transient voltage occurring on opening of the contactor. Limits high voltage transients that may be produced when coil is de-energised.

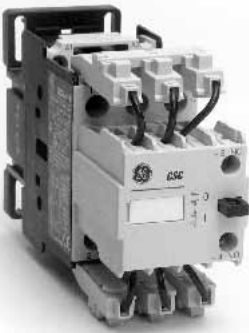
CONTROL	VOLTAGE	FOR USE WITH	CAT REF	ORDER CODE	PRICE \$ excl. GST	
AC	24V...48V AC	CK75...CL08	BSLR3G	104716	81.35	
	50V...127V AC			104717	81.35	
	130V...240V AC			BSLR3R	104718	81.35
AC	24V AC	CK85...CK13	K/RC-24	104760	66.70	
	260V AC			K/RC-48/260	104761	65.00
	415V AC			K/RC-380/415	104762	65.00

Directly connected parallel to the coil terminals A1-A2



JQ Mechanical Interlock

MOUNTING	FOR USE WITH	CAT REF	ORDER CODE	PRICE \$ excl. GST
Horizontal	CK07B...CK12...	BEKH	104763	194.55
Vertical	CK07B...CK95...	BEKVS	133907	703.80
	CK10C...CK12B...	BEKVA	104784	592.20
	CK13...	BEKV	104764	1055.00



JS Contactors For Capacitor Switching

AC

KVAR 230V 415V	AUXILIARY		CAT REF	ORDER CODE		PRICE \$ excl. GST
	N/O	N/C		230V	415V	
7.5 13	1	1	CSCN12A311 •	110907	110909	265.00
10 17	1	1	CSCN16A311 •	110922	110924	306.90
12.5 21	1	-	CSCN20A310 •	110932	110934	348.50
15 26	1	-	CSCN25A310 •	110952	110954	378.20
20 31	1	-	CSCN30A310 •	247247	247270	611.20
25 47	1	-	CSCN45A310 •	247244	247272	938.00
35 57	1	-	CSCN55A310 •	247239	247209	1190.60
45 73	1	-	CSCN70A310 •	247234	247276	1370.20

Common Accessories

DESCRIPTION	CAT REF	VOLTAGE SELECTION				PRICE \$ excl. GST
		24V	110V	230V	415V	
		ORDER CODES				

JY Thermister Relay

Thermister Relay AC	RS01N•	124373	212776	124375	382.50
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JY Star Delta Starter Timer Relay (110 / 230 / 440V AC)

DESCRIPTION	CAT REF	ORDER CODE	PRICE \$ excl. GST
6 - 60sec (1 changeover contact) 24-230V	NMETV	124908	316.10
1 - 60sec (1 changeover contact) 380-440V	NMETV †	124911	434.30



CA GPS1BS - Standard Breaking Capacity Rocker

RATED POWER 3 PHASE MOTORS AT 400VAC PN	THERMAL CURRENT SETTING RANGE	INSTANTANEOUS SHORT-CIRCUIT RELEASE	RATED ULTIMATE SHORT-CIRCUIT BREAKING CAPACITY AT 400V	CAT REF	ORDER CODE	PRICE \$ excl. GST
kW	AMPS	AMPS	Icu kA			
0.02	0.1 - 0.16	2.1	100	GPS1BSAA	101211	205.95
0.06	0.16 - 0.25	3.3	100	GPS1BSAB	101212	205.95
0.09	0.25 - 0.4	5.2	100	GPS1BSAC	101213	205.95
0.12/0.18	0.4 - 0.63	8.2	100	GPS1BSAD	101214	214.00
0.25	0.63 - 1	13	100	GPS1BSAE	101215	214.00
0.37/0.55	1 - 1.6	20.8	100	GPS1BSAF	101216	214.00
0.75	1.6 - 2.5	32.5	100	GPS1BSAG	101217	214.00
1.5	2.5 - 4	52	100	GPS1BSAH	101218	214.00
2.2	4 - 6.3	81.9	100	GPS1BSAJ	101219	214.00
3.0/4.0	6.3 - 10	130	100	GPS1BSAK	101220	256.20
5.5	9 - 13	169	50	GPS1BSAL	101221	262.85
7.5	11-16	208	25	GPS1BSAM	101222	272.85
10	14 - 20	260	25	GPS1BSAN	101223	330.35
11	19 - 25	325	25	GPS1BSAP	101224	346.35
15	24 - 32	416	25	GPS1BSAR	101225	374.40

Din rail mounting



CA GPS1BH - High Breaking Capacity Rotary

CA	GPS1BH - High Breaking Capacity	Rotary				
0.02	0.1 - 0.16	2.1	100	GPS1BHAA	101234	242.80
0.06	0.16 - 0.25	3.3	100	GPS1BHAB	101235	238.75
0.09	0.25 - 0.4	5.2	100	GPS1BHAC	101236	238.75
0.12/0.18	0.4 - 0.63	8.2	100	GPS1BHAD	101237	249.45
0.25	0.63 - 1	13	100	GPS1BHA E	101238	249.45
0.37/0.55	1 - 1.6	20.8	100	GPS1BHAF	101239	249.45
0.75	1.6 - 2.5	32.5	100	GPS1BHAG	101240	249.45
1.5	2.5 - 4	52	100	GPS1BHAH	101241	249.45
2.2	4 - 6.3	81.9	100	GPS1BH AJ	101242	249.45
3.0/4.0	6.3 - 10	130	100	GPS1BHAK	101243	290.20
5.5	9 - 13	169	100	GPS1BH AL	101244	298.25
7.5	11-16	208	50	GPS1BH AM	101245	304.95
10	14 - 20	260	50	GPS1BH AN	101246	369.10
11	19 - 25	325	50	GPS1BH AP	101247	397.20
15	24 - 32	416	50	GPS1BH AR	101248	397.20

Din rail mounting



CC GPS2BH - High Breaking Capacity Rotary

CC	GPS2BH - High Breaking Capacity	Rotary				
3.0/4.0	6.3 - 10	130	100	GPS2BHAK	101249	481.40
5.5	9 - 13	169	50	GPS2BH AL	107120	481.40
7.5	11 - 16	208	50	GPS2BH AM	101250	481.40
10	14 - 20	260	50	GPS2BH AN	101251	481.40
11	19 - 25	325	50	GPS2BH AP	101252	481.40
15	24 - 32	416	50	GPS2BH AR	101253	580.35
18.5	28 - 40	520	50	GPS2BH AS	101254	645.90
22	35 - 50	650	50	GPS2BH AT	101255	748.80
30	45 - 63	819	50	GPS2BH AU	101256	879.85

Din rail or direct screw mounting



CI Auxiliary Contact Blocks GPS1 & GPS2

The N/C contact opens in the ON position and closes in the OFF or TRIPPED position.

The N/O contact closes in the ON position and opens in the OFF or TRIPPED position.

DESCRIPTION	TYPE	CODE No	ORDER CODE	PRICE \$ excl. GST
Front Mount	1NO	GPAC10FBA	101303	31.60
(Maximum 2 auxiliary contact blocks per manual motor starter)	1NC	GPAC01FBA	101304	31.60
Side Mount Left	1NO+1NC	GPAC11LLA	101305	36.45
Two contacts	2NO	GPAC20LLA	101306	36.45
	2NC	GPAC02LLA	101307	36.45
Side Mount Right	1NO+1NC	GPAC11LRA	101308	36.45
Two contacts	2NO	GPAC20LRA	101309	36.45
	2NC	GPAC02LRA	101310	36.45



CI Alarm Contact Block GPS1 & GPS2

The N/C contact is closed in the ON and OFF position and opens in the TRIPPED position.

The N/O contact is open in the ON and OFF position and closes in the TRIPPED position.

Front Mount	1NO	GPAL10FRA	101311	33.05
Single contact	1NC	GPAL01FRA	101312	33.05



CI Auxiliary/Alarm Contact Block GPS1 & GPS2

Side Mount left	1NO (Alarm)+1NO (Aux.)	GPAD1010LLA	101313	54.50
(front alarm contact block can be used at the same time)	1NO (Alarm)+1NC (Aux.)	GPAD1001LLA	101314	54.50
	1NC (Alarm)+1NO (Aux.)	GPAD0110LLA	101315	54.50
Two contacts	1NC (Alarm)+1NC (Aux.)	GPAD0101LLA	101316	54.50

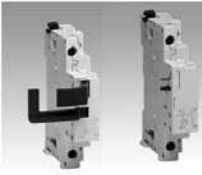
CI Short-circuit Alarm Contact Block GPS1 & GPS2

Side Mount Left	1NO+1NC	GPAE11LLA	101317	68.85
Two contacts (Mechanical indication marking)				



CI Shunt Trip Device GPS1 & GPS2

DESCRIPTION	COIL VOLTAGE	CAT REF	ORDER CODE	PRICE \$ excl. GST
Side Mount Right (Can not be used together with the undervoltage trip device)	24V 50/60Hz	GPASLRAA1	101318	109.70
	110/127V 50Hz / 120V 60Hz	GPASLRAAJ	101321	109.70
	230V 50Hz / 240V 60Hz	GPASLRAAJ	101323	109.70
	415/440V 50Hz / 460/480V 60Hz	GPASLRAAW	101326	109.70
	24 to 60VDC	GPASLRADD	101328	109.70
	110 to 240VDC	GPASLRADJ	101329	109.70



CI Under Voltage Trip Device GPS1 & GPS2

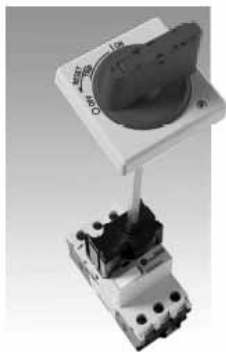
Side Mount Right (Can not be used together with the shunt trip device)	24V 50Hz	GPAULRAAD	101330	97.60
	110/127V 50Hz / 120V 60Hz	GPAULRAAJ	101334	97.60
	230V 50Hz / 240V 60Hz	GPAULRAAN	101336	97.60
	415/440V 50Hz / 460/480V 60Hz	GPAULRAAW	101339	97.60

CI Under Voltage Trip Device (Rotary Type Only) GPS1*H & GPS2

Side Mount Right (Can not be used together with the shunt trip device)	24V 50Hz	GPAU20LCAAD	101352	189.80
	110/127V 50Hz / 120V 60Hz	GPAU20LCAAJ	101356	189.80
	230V 50Hz / 240V 60Hz	GPAU20LCAAN	101358	189.80
	415/440V 50Hz / 460/480V 60Hz	GPAU20LCAAW	101361	189.80

CI Under Voltage Trip Device (Rocker Type Only) GPS1*S

Side Mount Right With 2NO Early Make Auxiliary Contacts (Can not be used together with the shunt trip device)	24V 50Hz	GPAU20LTAAD	101341	160.50
	110/127V 50Hz / 120V 60Hz	GPAU20LTAAJ	101345	160.50
	230V 50Hz / 240V 60Hz	GPAU20LTAAN	101347	160.50
	415/440V 50Hz / 460/480V 60Hz	GPAU20LTAAW	101350	160.50



CK Terminal Protector GPS2

Protection against accidental finger touch (IP20)	For use with GPS2 *H	GPAPTP2A	107182	15.10
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CK External Handle Operator (Rotary Type Only)

DESCRIPTION	FOR USE WITH	TYPE			
Used for distance mounting on a panel	GPS1*H...	Standard (Black)	GPA1HAB	101363	152.25
	GPS1*H...	Emergency (Red/Yellow)	GPA1HAR	101364	152.25
	GPS2*H...	Standard (Black)	GPA2HAB	101502	152.25
	GPS2*H...	Emergency (Red/Yellow)	GPA2HAR	101503	152.25



CK Enclosures for (Rocker Type Only) GPS 1*S

Surface Mounting IP55	GPES55A	101366	55.80
Flush Mounting IP55	GPEF55A	101368	55.80

Padlocking Device

For three padlocks with max. 8mm shackle diameter (Not to be used with emergency stop handle)	GPEPA	101370	31.80
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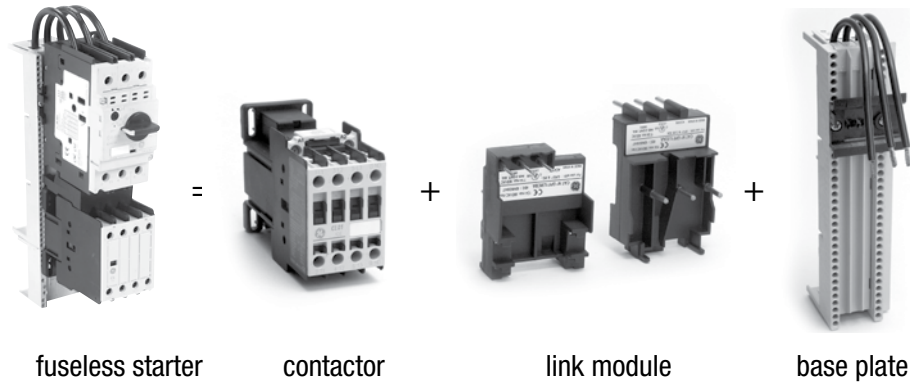
Emergency Mushroom Push-button

With impulse functions	GPEPMA	101372	55.55
Self latching, unlatching by turning	GPEPLA	101373	65.15
Self latching, unlatching with a key	GPEPKA	101374	151.55

CM Busbar System



DESCRIPTION	FOR USE WITH TYPE	AUX	CONNECTION	CAT REF	ORDER CODE	PRICE \$ excl. GST
3-Phase Feed-in Terminals						
Main Feeding Terminal	GPS1		Terminal Capacity: 25mm ²	GPB1FA	107186	87.20
Upper Connection	GPS2		Terminal Capacity: 50mm ²	GPB2FA	107187	87.20
Main Busbar	for 2 GPS1	Front	Pin	GPB1B02A	101390	43.75
Modular Spacing 45mm	for 3 GPS1	Front	Pin	GPB1B03A	101391	59.50
	for 4 GPS1	Front	Pin	GPB1B04A	101392	70.65
	for 5 GPS1	Front	Pin	GPB1B05A	101393	75.40
Modular Spacing 54mm	for 2 GPS1	9mm Side	Pin	GPB1B12A	101394	64.65
	for 3 GPS1	9mm Side	Pin	GPB1B13A	101395	74.75
	for 4 GPS1	9mm Side	Pin	GPB1B14A	101396	89.35
	for 5 GPS1	9mm Side	Pin	GPB1B15A	101397	106.15
Modular Spacing 63mm	for 2 GPS1	18mm Side or 2 x 9mm Side	Fork	GPB1B22A	101398	72.25
	for 4 GPS1	18mm Side or 2 x 9mm Side	Fork	GPB1B24A	101399	81.55
Modular Spacing 55mm	for 2 GPS2	Front	Pin	GPB2B02A	101400	65.05
	for 3 GPS2	Front	Pin	GPB2B03A	101401	73.95
	for 4 GPS2	Front	Pin	GPB2B04A	101402	86.05
Modular Spacing 64mm	for 2 GPS2	9mm Side	Pin	GPB2B12A	101403	97.85
	for 3 GPS2	9mm Side	Pin	GPB2B13A	101404	96.65
	for 4 GPS2	9mm Side	Pin	GPB2B14A	101405	100.25
Modular Spacing 73mm	for 2 GPS2	18mm Side or 2 x 9mm Side	Pin	GPB2B22A	101406	70.15
	for 4 GPS2	18mm Side or 2 x 9mm Side	Pin	GPB2B24A	101407	94.25
Busbar Cover	GPS1		-	GPB1GA	101408	18.75
Touch guard for non used space	GPS2		-	GPB2GA	101409	12.35



CM Link Modules

For mechanical and electrical connection between contactors and manual motor starters



FOR USE WITH	AC/DC	FRAME SIZE	CAT REF	ORDER CODE	PRICE \$ excl. GST
MC0...MC1/MC2	AC/DC	GPS1	GPF1LMCBA	101410	17.75
CL00A..., CL01A..., CL02A	AC	GPS1	GPF1L02AA	101411	20.15
CL25A..	AC	GPS1	GPF1L25AA	101413	20.15
CL03A..., CL04A	AC	GPS1	GPF1L04AA	107165	20.15
CL00D..., CL01D..., CL02D	DC	GPS1	GPF1L02DA	101412	22.45
CL25D..	DC	GPS1	GPF1L25DA	101414	19.55
CL03D..., CL04D	DC	GPS1	GPF1L04DA	107166	21.95
CL03A..., CL04A..	AC	GPS2	GPF2L04AA	107190	23.45
CL45A..	AC	GPS2	GPF2L45AA	101415	38.15
CL06A..., CL07A..	AC	GPS2	GPF2L07AA	101417	42.85
CL03D..., CL04D..	DC	GPS2	GPF2L04DA	107191	47.35
CL45D	DC	GPS2	GPF2L45DA	101416	43.05

C0 Base Plates

Base Plates	CL00..., CL01..., CL02.. CL25	AC/DC	GPS1	GPF1B1A	101418	41.45
Plastic plates for mounting the fuseless starter in panels or on 35mm DIN rail	CL03..., CL04	AC/DC <td>GPS1 <td>GPF1B4A</td> <td>107163</td> <td>41.45</td> </td>	GPS1 <td>GPF1B4A</td> <td>107163</td> <td>41.45</td>	GPF1B4A	107163	41.45
	CL03..., CL04... and CL 45	AC/DC <td>GPS2 <td>GPF2B2A</td> <td>101419</td> <td>60.85</td> </td>	GPS2 <td>GPF2B2A</td> <td>101419</td> <td>60.85</td>	GPF2B2A	101419	60.85
	CL06..., CL07...	AC/DC <td>GPS2 <td>GPF2B3A</td> <td>101420</td> <td>63.45</td> </td>	GPS2 <td>GPF2B3A</td> <td>101420</td> <td>63.45</td>	GPF2B3A	101420	63.45

Link Connector

For two base plates for reversing applications				GPF1CBA	101427	15.15
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CQ Busbar Adaptor Plates

DESCRIPTION	WIDTH/LENGTH (mm)	RATING (A)	FRAME SIZE	CONTACTOR	CAT REF	ORDER CODE	PRICE \$ excl. GST
For Manual Motor Starter Mounted Alone	45/182	32	GPS1	-	PBF23ECBA	107142	103.25
60mm Centre Line Spacing	54/182	32	GPS2	-	PBF23FCBA	107143	127.15
	54/182	63	GPS2	-	PBF23FDBA	107145	104.75
For Fuseless Starter Applications	45/182	32	GPS1	MC0/MC1/MC2	PBF23EBCA	107151	111.15
60mm Centre Line Spacing	45/182	32	GPS1	CL00/01/02/25	PBF23EBDA	107152	120.65
	55/182+60*	32	GPS1	CL03/04	PBF23ECDA	107153	167.25
	55/182+60*	63	GPS2	CL04/45	PBF23FDEA	107155	130.95
	63/182	63	GPS2	CL06/07	PBF23G DFA	107156	168.75
For Reversing Applications	45/182	-	GPS1	MC0/MC1/MC2/CL00	PBF2AEAHA	107157	116.35
60mm Centre Line Spacing				CL01/CL02/CL25			
Base Without Contacts	55/182	-	GPS2	CL03/CL04/CL45	PBF2AFAHA	107158	121.95
	63/182	-	GPS2	CL06/CL07	PBF2AGAHA	107159	127.45

*Using 60mm Extension Base

CS Contactor Cover

Clips on the front of contactor to allow a clear identification of the terminal numbering (as contactor is upside down)

FOR USE WITH

CL00..., CL01.. and CL02 with Built-in 1NO Auxiliary Contact	GPF10C02	107099	5.45
CL00..., CL01.. and CL02 with Built-in 1NC Auxiliary Contact	GPF01C02	107100	5.45
CL25	GPF00C25	107101	5.75
CL03..., CL04 with Built-in 1NO Auxiliary Contact	GPF10C04	107103	7.15
CL03..., CL04 with Built-in 1NC Auxiliary Contact	GPF01C04	107105	6.65
CL45..	GPF00C45	107106	7.75
CL06..., CL07..	GPF00C08	107107	8.65

Fuseless Starters - Reference Chart

Rotary Switch 415V

CURRENT RANGE	MOTOR STARTER	LINK MODULE	CONTACTOR 1 N/O	kW BASE	OPTIONAL BASE PLATE	OPTIONAL BUSBAR PLATE
1.0 - 1.6A	101239	101411	109169	0.37 / 0.55	101418	107152
1.6 - 2.5A	101240	101411	109169	0.75	101418	107152
2.5 - 4.0A	101241	101411	109169	1.5	101418	107152
4.0 - 6.3A	101242	101411	109169	2.2	101418	107152
6.3 - 10A	101243	101411	109240	3.0 / 4.0	101418	107152
9 - 13A	101244	101411	109313	5.5	101418	107152
11 - 16A	101245	101411	109313	7.5	101418	107152
14 - 20A	101246	107165	109385	10	107163	107153
19 - 25A	101247	107165	109385	11	107163	107153
24 - 32A	101248	107165	109457	15	107163	107153

Rotary Switch 230V

1.0 - 1.6A	101239	101411	104054	0.37 / 0.55	101418	107152
1.6 - 2.5A	101240	101411	104054	0.75	101418	107152
2.5 - 4.0A	101241	101411	104054	1.5	101418	107152
4.0 - 6.3A	101242	101411	104054	2.2	101418	107152
6.3 - 10A	101243	101411	104084	3.0 / 4.0	101418	107152
9 - 13A	101244	101411	104114	5.5	101418	107152
11 - 16A	101245	101411	104114	7.5	101418	107152
14 - 20A	101246	107165	104144	10	107163	107153
19 - 25A	101247	107165	101144	11	107163	107153
24 - 32A	101248	107165	104174	15	107163	107153



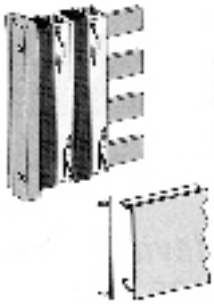
UF Busbar Supports

DESCRIPTION		CAT REF	ORDER CODE	PRICE \$ excl. GST
Busbar Supports	Set=2 (Left & Right)	FBB3S	433458	57.80
Endplate Covers	Set=2	FBB3E	433455	31.00



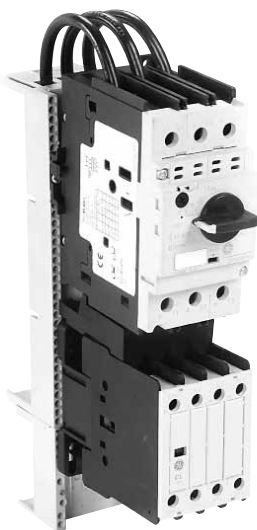
UF Connection Set

Connection Set 3 pole for conductors 1.5 to 70mm ²		FBTF3L12	433456	87.00
1 pole for lateral bar, flexible bar or cable connection Cu/Al 35-240mm for busbar section 5mm (Each)		FBTS1L12	433468	72.80
1 pole for lateral bar, flexible bar or cable connection Cu/Al 35-300mm for busbar section 10mm (Each)		FBTS10L12	433474	101.60

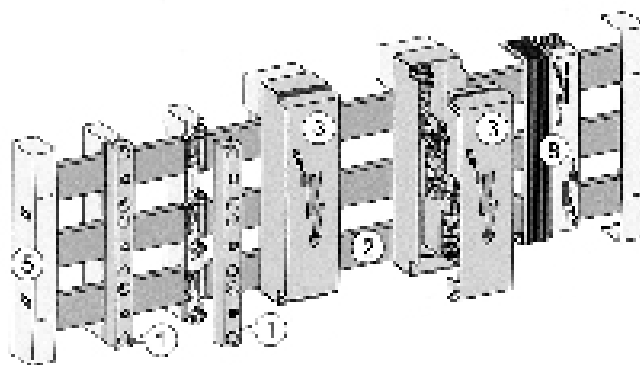


UF Accessories

Adjustable Busbar Cover 3P		FBC13	433377	115.40
Filler for cover plate cut out of 64mm l = 1.2m		FBF6	883970	27.00



Fuseless Starter



- ① Busbar support
- ② Busbars (not part of offering)
- ③ Connection set
- ⑤ Endplate cover
- ⑧ Busbar covers

JK 3 Pole Economy DOL Starter (Complete with Overload) IP65



3 PHASE 415V-AC3 kW		HP	OVERLOAD RANGE	ORDER CODE 230V	ORDER CODE 415V	PRICE \$ excl. GST
4	5.5		1.25-2.0A	101932	101933	229.00
4	5.5		1.6-2.5A	101934	101935	229.00
4	5.5		2.5-4.0	101936	101937	229.00
4	5.5		4.0-6.0	101938	101939	229.00
4	5.5		5.5-8.0A	101940	101941	229.00
4	5.5		7-10	101952	101953	229.00
5.5	7.5		9-13	101954	101955	229.00
7.5	10		12-18	101956	101957	229.00
11	15		17-25	101958	101959	995.00

JT 3 Pole DOL Starter (Start - Stop) IP65



3 PHASE 415V-AC3 kW		HP	OVERLOAD RANGE			OVERLOAD ORDER CODE	PRICE \$ excl. GST	STARTER ORDER CODE 230V	ORDER CODE 415V	PRICE \$ excl. GST
MIN AMPS	MAX AMPS	CAT REF								
0.55	0.75	9	1.3	1.9	RT1H	113705	154.55	LG0006P1BN	LG0006P1BW	229.00
0.75	1	9	1.8	2.7	RT1J	113706	154.55	LG0006P1BN	LG0006P1BW	229.00
1.5	2	9	2.5	4	RT1K	113707	154.55	LG0006P1BN	LG0006P1BW	229.00
2.2	3	9	4	6.3	RT1L	113708	154.55	LG0006P1BN	LG0006P1BW	229.00
4	5.5	9	8	12	RT1N	113710	158.55	LG0006P1BN	LG0006P1BW	229.00
5.5	7.5	12	10	16	RT1P	113711	163.20	LG0106P1BN	LG0106P1BW	255.00
7.5	10	18	14.5	18	RT1S	113712	169.85	LG0206P1BN	LG0206P1BW	304.90
11	15	25	21	26	RT1U	113714	179.95	LG2506P1BN	LG2506P1BW	426.50
15	20	32	25	32	RT1V	113715	249.45	LG0406P1BN	LG0406P1BW	529.50

Direct-on-Line Starters Start-Stop in larger enclosures are available on request

JT 3 Pole DOL Starter (Reset Only) IP65



0.55	0.75	9	1.3	1.9	RT1H	113705	154.55	LG0006R1BN	LG0006R1BW	229.00
0.75	1	9	1.8	2.7	RT1J	113706	154.55	LG0006R1BN	LG0006R1BW	229.00
1.5	2	9	2.5	4	RT1K	113707	154.55	LG0006R1BN	LG0006R1BW	229.00
2.2	3	9	4	6.3	RT1L	113708	154.55	LG0006R1BN	LG0006R1BW	229.00
4	5.5	9	8	12	RT1N	113710	158.55	LG0006R1BN	LG0006R1BW	229.00
5.5	7.5	12	10	16	RT1P	113711	163.20	LG0106R1BN	LG0106R1BW	255.00
7.5	10	18	14.5	18	RT1S	113712	169.85	LG0206R1BN	LG0206R1BW	304.90
11	15	25	21	26	RT1U	113714	179.95	LG2506R1BN	LG2506R1BW	400.80
15	20	32	25	32	RT1V	113715	249.45	LG0406R1BN	LG0406R1BW	462.10

Direct-on-Line Starters Start-Stop in larger enclosures are available on request

JT Empty Boxes (Polycarbonate)

FOR USE WITH	PUSH-BUTTONS	IP RATING	CAT REF	ORDER CODE	PRICE \$ excl. GST
DOL up to 7.5 kW	Start/Stop + Reset	IP65	LG0006P1B0	200004	136.50
DOL up to 11 kW	Start/Stop + Reset	IP65	LG2506P1B0	101095	100.30
DOL up to 15 kW	Start/Stop + Reset	IP65	LG0406P1B0	116656	140.90
DOL up to 7.5 kW	Reset Only	IP65	LG0006R1B0	116652	114.10
DOL up to 11 kW	Reset Only	IP65	LG2506R1B0	133611	86.40
DOL up to 15 kW	Reset Only	IP65	LG0406R1B0	133265	82.30
DOL Start Contact Terminal		-	BMLF	104800	30.60

JX Enclosed Reversing Starters IP66



3 PHASE 415V-AC3 kW		OVERLOAD RANGE MIN AMPS		MAX AMPS	CAT REF	OVERLOAD ORDER CODE	PRICE \$ excl. GST	STARTER ORDER CODE 230V	ORDER CODE 415V	PRICE \$ excl. GST
0.37	0.5	1	1.5	RT1G	113704	154.55	CLREV4EN	CLREV4EW	985.00	
0.55	0.75	1.3	1.9	RT1H	113705	154.55	CLREV4EN	CLREV4EW	985.00	
0.75	1	1.8	2.7	RT1J	113706	154.55	CLREV4EN	CLREV4EW	985.00	
1.1	1.5	2.4	4	RT1K	113707	154.55	CLREV4EN	CLREV4EW	985.00	
1.5	2	2.4	4	RT1K	113707	154.55	CLREV4EN	CLREV4EW	985.00	
2.2	3	4	6.3	RT1L	113708	154.55	CLREV4EN	CLREV4EW	985.00	
4	5.5	8	12	RT1N	113710	158.55	CLREV4EN	CLREV4EW	985.00	

0.37 - 18.5kW enclosure size 300 x 185 x 175

22 - 45kW enclosure size 300 x 300 x 175

C0 Wiring Kits For Reversing Starters



MC0...MC1/MC2	AC/DC	WKMIU	101421	20.45
CL00..., CL01..., CL02..	AC/DC	WKLI02P	101422	33.15
CL25..	AC/DC	WKLI25P	101423	34.45
CL03..., CL04...	AC/DC	WKLI04P	101424	155.95
CL45..	AC/DC	WKLI45P	101425	163.65
CL06A..., CL07A..	AC	WKLI07P	101426	79.05

JX Enclosed Star Delta Starters IP66



5.5	7.5	11	5.5	8.5	RT1M	113709	154.55	SD5.5kWEN	SD5.5kWEW	1621.20
7.5	10	14	8	12	RT1N	113710	158.55	SD7.5kWEN	SD7.5kWEW	1670.00
11	15	21	10	16	RT1P	113711	163.20	SD11kWEN	SD11kWEW	1710.00
15	20	28	14.5	18	RT1S	113712	169.85	SD15kWEN	SD15kWEW	1825.00
18.5	25	35	17.5	22	RT1T	113713	179.95	SD18.5kWEN	SD18.5kWEW	1825.00
22	30	40	21	26	RT1U	113714	179.95	SD22kWEN	SD22kWEW	1990.00
30	40	55	30	40	RT1W	113716	249.45	SD30kWEN	SD30kWEW	2275.00

Order Thermal Overloads Separately (set at 0.58 x the Motor Current)

5.5 - 30kW Enclosure size 300 x 185 x 175

37* - 75kW Enclosure size 465 x 350 x 200

* other sizes available on request. Sizes 37kW to 75kW

JX Open Type Star Delta Starters



5.5	7.5	11	5.5	8.5	RT1M	113709	154.55	SD5.5kWON	SD5.5kWOW	1026.90
7.5	10	14	8	12	RT1N	113710	158.55	SD7.5kWON	SD7.5kWOW	1070.30
11	15	21	10	16	RT1P	113711	163.20	SD11kWON	SD11kWOW	1110.00
15	20	28	14.5	18	RT1S	113712	169.85	SD15kWON	SD15kWOW	1230.00
18.5	25	35	17.5	22	RT1T	113713	179.95	SD18.5kWON	SD18.5kWOW	1230.00
22	30	40	21	26	RT1U	113714	179.95	SD22kWON	SD22kWOW	1430.00
30	40	55	30	40	RT1W	113716	249.45	SD30kWON	SD30kWOW	1665.00

Order Thermal Overloads Separately (set at 0.58 x the Motor Current)

Star deltas up to 30kW fit RT1 Overload Only

* other sizes available on request. Sizes 37kW to 75kW

OW Digital Temperature Controllers (PID or on/off) IP66

Temperature Controllers use PID (proportional + integral + derivatives) to create tighter temperature control achieving a more constant temperature.



CASE SIZE	VOLTAGE	SENSOR INPUT (PV)	PROGRAMMABLE OUTPUTS & ALARMS	ORDER CODE	PRICE \$ excl. GST
24 x 48mm	100-240V AC	Selectable TC & PT100	SSd+Relay	320.000	897.50
	100-240V AC	Selectable TC & PT100	SSd+Relay	330.000.000	705.80
	12-24V AC/DC	Selectable TC & PT100	SSd+Relay	330.000.030	705.80
	100-240V AC	Selectable TC & PT100	Relay x 2	331.100.000	783.60
	100-240V AC	Selectable TC & PT100	SSd x2	332.200.000	845.20
48 x 48mm	100-240V AC	Selectable TC & PT100	SSd+Relay	940.000.000	845.20

Comms cards optional

ow Digital Temperature Controllers (PID or on/off) IP66



- Ramp-soak-ramps temperature up to a pre-defined temperature and holds it for a period of time.



- Profiling - allows temperature ramping and declining.
- Heating/cooling - when both heating and cooling is required at the same time.

SIZE	VOLTAGE	SENSOR INPUT (PV)	PROGRAMMABLE OUTPUTS & ALARMS	ORDER CODE	PRICE \$ excl. GST
48 x 48mm	100-240V AC	Selectable TC & PT100	SSd & Relay (x2)	9500.1PA.000	1151.30
	100-240V AC	4-20mA	4-20mA+SSd+Relay	95B2.1PB.000	1405.70

Comms cards optional

OY Optional Accessories

TYPE	ACCESSORY	COMPATIBLE	ORDER CODE	PRICE \$ excl. GST
RS232	Plug-in communications board	All PID controllers	3C0.000.200	284.70
RS485*	Plug-in communications board	All PID controllers	3C0.000.400	284.70
	CALgrafix process monitoring & setup software		100.3GB.000	1337.80

RS485 is required when there is more than 1 controller

OX Digital Thermostats (on-off) IP65



TEMP RANGE	VOLTAGE	SENSOR TYPE	OUTPUTS	ORDER CODE	PRICE \$ excl. GST
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Thermostats do not have PID and control within a temperature range, by switching on and off to heat/cool

DEFROST FUNCTION

-50° to 110° C	12V AC/DC	NTC Thermistor	1 x 8A Relay	EDT1411-NTC-12	215.00
	24V AC/DC	NTC Thermistor	1 x 8A Relay	EDT1411-NTC-24	215.00
	230V AC	NTC Thermistor	1 x 8A Relay	EDT1411-NTC-230	215.00

STANDARD FUNCTION

-100° to 600° C	9-30V DC	PT100	Relay (8A)	ETC1311-R-SM	275.00
	230V AC	PT100	Relay (8A)	ETC1311-R-230	238.00
	9-30V DC	PT100	Relay (16A)	ETC1311-R-SM-P	295.00
	230V AC	PT100	Relay (16A)	ETC1311-R-230-P	255.00

Thermister & Thermocouple types also available

Thermostats do not have PID and control within a temperature range, by switching on and off to heat/cool

OY **Digital / Temperature Indicators** (Display Output) **IP65**

These units are for display only. They have no other controlling function



TEMP RANGE	VOLTAGE	INPUT TYPES	ORDER CODE	PRICE \$ excl. GST
-1999° to 4000° C	230V AC	Analogue (V) or (mA)	EI141-230	316.60
	9-30VDC	Analogue (V) or (mA)	EI141-SM	370.60
-50° to 110° C	12V AC/DC	NTCH Thermistor	EI1410-NTCH-12	174.30
	24V AC/DC	NTCH Thermistor	EI1410-NTCH-24	174.30
	230V AC	NTCH Thermistor	EI1410-NTCH-230	174.30

OY **Timers** (8A Relay Output) **IP65**

Timers count down or up and activate a relay



INPUT MODES	VOLTAGE	OUTPUT MODES	ORDER CODE	PRICE \$ excl. GST
Start / Stop Extremal	12V AC/DC	Delay & Pulse	ETM1411-12	284.70
	24V AC/DC	Delay & Pulse	ETM1411-24	284.70
	230V AC	Delay & Pulse	ETM1411-230	284.70

OY **Thermistors** (Silicon Cable Type)

CASING	SENSOR TYPE	ENVIRONMENT	ORDER CODE	PRICE \$ excl. GST
Stainless shell	NTC	AIR	E-NTC-APS-1.5S	69.80
	NTC	LIQUID	E-NTC-LPS-1.5S	69.80
	NTCH	AIR	E-NTCH-APS-1.5S	69.80
	NTCH	LIQUID	E-NTCH-LPS-1.5S	69.80

GE INTELLIGENT PLATFORMS

The only partner you need for plant and machine control



GE Intelligent Platforms offers some significant advantages to End Users and Systems Integrators. These are outlined as follows.

1. MISSION CRITICAL APPLICATIONS:

High Reliability and Redundant products offer Plant Operators the confidence of maximising up-time and therefore profitability.

2. FUTURE-PROOF YOUR INVESTMENT:

There is a clear upgrade or migration path through the GE range of products enabling older systems to be brought up to date with minimum effort.

3. MANAGE FOR EFFICIENCY:

To enhance accountability GE also offers the Historian for logging and trending data as well as the Proficy* Change Management system to control and manage any changes or upgrades to any installation.



OUA Starter Kits (Includes Programming Software and Cable)

DESCRIPTION	POWER	INPUT	OUTPUT	KEYPAD/LCD	ORDER CODE	PRICE \$ excl. GST
Durus Controller Starter Kit, 10 Point	85-264VAC	6	4	YES	IC210TBX010	427.50
Durus Controller Starter Kit, 10 Point	24VDC	6*	4	YES	IC210TBX012	415.80
Durus Controller Starter Kit, 20 Point	85-264VAC	12	8	YES	IC210TBX020	544.60

*2 Analog inputs can be configured as DC Discrete inputs

OUA Durus Controllers

Durus Controller	85-264VAC	6	4	YES	IC210DAR010	497.80
Durus Controller	85-264VAC	12	8	YES	IC210DAR020	682.20
Durus Controller	24VDC	6	4	YES	IC210DDR012	442.50
Durus Controller	24VDC	12	8	YES	IC210DDR024	626.90
Durus Controller	85-264VAC	12	8	YES	IC210NAR020	442.50

Other models available, please enquire

OUA Durus Expansion Modules

Analogue Expansion Unit	12/24VDC	4			IC210EA1004	474.10
Discrete Expansion Unit	24VDC	4	4		IC210EDR008	298.50
Discrete Expansion Unit	85-264VDC	4	4		IC210EAR008	351.20

OUA Durus Accessories

Programming Cable, PC to Durus Controller					IC210CBL001	110.70
Durus Memory Pack Portable Flash Device					IC210TMP001	55.40
Durus Controller Programming Software					IC646DUR001	99.60

Other models available, please enquire



OUB Versamax Controllers

DESCRIPTION	POWER	INPUT	OUTPUT	BUS	ORDER CODE	PRICE \$ excl. GST
Mixed I/O	24VDC	16	8		IC200MDD845	485.00
Output Module			8		IC200MDL930	220.00
Output Module			16		IC200MDL940	465.00
Remote I/O Slave				Profibus-DP	IC200PBI001	945.00
Power Supply	120/240VAC				IC200PWR102	165.00
Micro14 PLC	120/240VAC	8	6		IC200UDR001	495.00
Micro28 PLC	24VDC	16	12		IC200UDR010	835.00
Analog Exp Module	24VDC	4			IC200UEX624	485.00

Other models available, please enquire

OUB Versamax Accessories

Versamax Battery for Micro 23 and 28					IC200ACC403	\$43.50
Versamax Micro RS232 Programming Cable					IC200CBL500	\$55.00
Versamax Series I/O Carrier Box Style					IC200CHS002	\$159.00

Other models available, please enquire



OUC 90-30 Controllers

DESCRIPTION	POWER	INPUT	OUTPUT	BUS	ORDER CODE	PRICE \$ excl. GST
Baseplate 10 slot					IC693CHS391	\$484.00
Baseplate Expansion 10 slot					IC693CHS392	\$572.20
Power Supply	120/240 VAC OR 125VDC		24VDC		IC693PWR321	\$442.90
Power Supply	120/240 VAC OR 125VDC		24VDC HI-CAPACITY		IC693PWR330	\$630.60
CPU 240KB Memory					IC693CPU360	\$2,437.00
CPU 240KB Memory				ETHERNET + WEB	IC693CPU374	\$5,449.00
Analog Input		4			IC693ALG221	\$992.50
Analog Input		16			IC693ALG223	\$1,898.00
Analog Output			8		IC693ALG392	\$1,898.00
Digital Input		16			IC693MDL645	\$406.50
Digital Output			16		IC693MDL340	\$689.50
Digital Output			16		IC693MDL940	\$499.50
Ethernet Module				TCP/IP	IC693CMM321	\$2,167.00
High Speed Counter		4			IC693APU300	\$1,169.00
Temperature Control		8 T/C I/P8	24VDC O/P		IC693TCM302	\$3,797.00

OUC 90-30 Accessories

Mini-Converter Kit & Cable (R-S232/RS-485)					IC690ACC901	\$443.40
Rack Expansion Cable					IC693CBL300	\$184.50
Blank Filler Module					IC693ACC310	\$77.70

OUE Rx3i Controllers

Chassis 12 Slot					IC695CHS012	\$971.25
Chassis 16 Slot					IC695CHS016	\$1,128.00
Power Supply	230VAC		3.3 5&24VDC		IC695PSA040	\$925.00
Power Supply	100-240VAC OR 125VDC				IC695PSA140	\$1,046.00
Power Supply	24VDC		3.3, 5&24VDC		IC695PSD040	\$624.80
Power Supply	24VDC		24VDC		IC695PSD140	\$735.00
Power Supply		24VDC	24VDC		IC694PWR331	\$429.50
CPU Ethernet, Serial & USB Port					IC695CPE305	\$5,175.00
CPU 20MB Memory					IC695CPU315	\$7,610.00
Analog Input		12			IC695ALG112	\$4,356.00
Analog Input		16			IC695ALG626	\$2,852.00
Analog Output			8		IC695ALG728	\$2,655.00
Analog Output			8		IC694ALG392	\$1,839.00
Digital Input		16			IC694MDL645	\$402.00
Digital Input		32			IC694MDL660	\$588.00
Digital Output			16		IC694MDL741	\$436.00
Digital Output			32		IC694MDL754	\$832.00
Ethernet Switch				TCP/IP	IC695ETM001	\$2,270.00
Local Expansion Module					IC695LRE001	\$165.90
NIU Supports 2 Serial Comms Ports					IC695NIU001	\$2,447.00
Profibus Master				PROFIBUS	IC695PBM300	\$1,959.00



OUE Rx3i Accessories

External High Capacity Battery Pack					IC693ACC302	\$290.00
Blank Filler Module					IC694ACC310	\$78.75
Box Style High Density Terminal Block					IC694TBB032	\$88.50
Box Style High Density Terminal Block Extended Depth					IC694TBB132	\$95.90
Energy Pack					IC695ACC400	\$232.90
CPU Lithium Battery and Spare Door					IC698ACC701	\$120.75

Other models available, please enquire



OUG QuickPanel View HMI

DESCRIPTION	POWER	SIZE	COLOUR	FEATURES	ORDER CODE	PRICE \$ excl. GST
QuickPanel View	24VDC	6"	MONO	BASIC	IC754VSB06MTD	1618.20
QuickPanel View	24VDC	8"	TFT	INTERMEDIATE	IC754VBI08CTD	4498.00
QuickPanel View	24VDC	12"	TFT	INTERMEDIATE	IC754VSI12CTD	6906.00

OUL Motion Controllers

APM Motion Controller 1-Axis					IC693APU301	\$6961.50
APM Control Cable 1 Metre Long SI Terminal Block To APM Motion Control					IC800SLCAPM010	\$602.00
Interface Cable 1 Metre Long SI Series Amplifier To Terminal Block					IC800SLCIV010	\$918.00
Amplifier Terminal Block SI Series					IC800SLT001	\$465.00
I/O Cable for DSM314					IC693CBL324	\$225.00
Motion Controller 1-2 Axis Digital Servo Or 1-4 Axis Analog Servo					IC694DSM314	\$3,540.00

OUK Proficy Machine Edition Software

Development Suite - Lite with USB Hardware License Key					IC647MBL001	POA
Development Suite - Standard with USB Hardware License Key					IC647MBS001	POA
Development Suite - Professional with USB Hardware License Key					IC647MBP001	POA

OUM Training Modules

PLC Maintenance with Proficy Logic Developer ME (Duration 3 Days)					CBS-338	POA
Proficy Logic Developer PLC Machine Edition (Duration 4 Days)					CBS-347	POA



OP U Series Standard Screw Terminal Block

WIRE SIZE (mm ²)	ORDER CODE	PRICE \$ excl. GST
2.5	CTS2.5UN	2.10
4	CTS4UN	2.40
6	CTS6U	2.60
10	CTS10U	3.30
16	CTS16U	5.80
25	CTS25U	6.10
25	CTS25UN	8.60
35	CTS35U	9.70
35	CTS35UN	11.40
50	CTS50U	36.00
95	CTS95U	60.00

Colour: grey



OP U Series End Plates

USED WITH	ORDER CODE	PRICE \$ excl. GST
CTS2.5UN/2.5UE/4UN	EP2.5/4UN	9.60
CTS6U/10U	EP6/10U	10.80
CTS25U	EP25U	1.90
CTS35U	EP35U	2.40

Colour: grey



OP Partition Plates

CTS2.5UN/2.5UE/4UN	PP2.5/4UN	1.80
CTS6U/10U	PP6/10U	2.30
CTS25U	PP25U	2.90
CTS35U	PP35U	3.20

Colour: grey



OP Separator Plates

CTS2.5UN/2.5UE/4UN	SP2.5/4UN	7.20
CTS6U/10U/16U	SP16U	6.20

Colour: grey



OP Ground Earth Terminal Blocks

WIRE SIZE (mm ²)	ORDER CODE	PRICE \$ excl. GST
4	CGT4N	11.20
4	CGT4U	12.40
6	CGT6N	15.20
10	CGT10U	15.30
16	CGT16N	17.80
35	CGT35U	33.40

Colour: green/yellow



OP Terminal Block Fuse Single Level

4	CSFL4U	10.40
4 (without fuse)	CSFL4U/WF	10.60

Colour: grey

Other models available - please enquire





OP **Terminal Blocks Disconnect & Test**

WIRE SIZE (mm ²)	TYPE	ORDER CODE	PRICE \$ excl. GST
4	Lever action	CKT4U	8.70
6	Slide action	CDTTU	15.20
6	Slide action/shorting link	CDTTUSH	27.70

Colour: grey



OP **End Plates for Disconnect & Test**

4	EPCSFL4U	1.50
6	EPCDTTU	2.00

Colour: grey



OP **End Clamps**

DESCRIPTION	ORDER CODE	PRICE \$ excl. GST
End Clamp for Fixing Busbar	CA202	4.30
End Clamp for Din 32/35 Rail	CA702	2.10



OP **Shorting Link Pre-assembled (10 Way)**

2.5mm spacing	CA721/10	8.00
4mm spacing	CA722/10	8.00



OP **Marking Tag (10 Way)**

K5 10 Blanks	CA509/K5	7.20
K6 Vertical Print 1 to 10	CA509/K6V	8.40

Other models available - please enquire