

**Modular electric contact blocks  
22mm/30mm**

contact modules, lamp-holder, transformers and others	for front-mounted operators						rear mounted blocks			
	protected screw terminals	List Price	gold screw terminals	List Price	quick connect terminals	List Price	protected screw terminals	List Price	quick connect terminals	List Price
 1 x NO	23E10	\$4.49	23E10Y7	\$12.59	23E10D	\$4.49	23S10	\$4.49	23S10D	\$5.00
 1 x NC	23E01	\$4.49	23E01Y7	\$12.59	23E01D	\$4.49	23S01	\$4.49	23S01D	\$5.00
 1 x NC late break	23E01C	\$7.70			23E01E	\$7.70	-		-	
for "closed transition" use 1 x NO and 1 x NC late break										
 1 x NO + 1 x NC use 234E clip only			23E11	\$8.23	-					
<b>lamp-holder modules</b> (without bulb) on direct supply for filament, neon or LED bulbs 2.6 W max.			23EA	\$7.70	23EB	\$7.70	23SA	\$11.55	23SB	\$12.39
with resistor and diode 127 V / 2 W bulb on 220 V supply			23ECHG	\$12.49	23EDHG	\$12.49				
with resistor and diode 127 V / 2 W bulb on 240 V supply			23ECJG	\$12.49	23EDJG	\$12.49	23ETKG	\$12.57	23EUKG	\$12.57
<b>transformer modules</b>		120V/6.3V	23EFS	\$25.67	23FGA	\$25.67			23FFS	\$25.67
		240V/6.3V	23EJS	\$25.67	23FHA	\$25.67			23FJS	\$25.67
		380V/6V	23ELA	\$25.67					23FLA	\$25.67
		480V/6.3V	23EPS	\$31.14					23FPS	\$31.14
primary 127, 240,380,480V 50-60 Hz, resistant to short circuits										
<b>transformer lamp-holder module</b> (supplied with 233E clip)		120V/6.3V	23EVFS	\$30.10						
		230V/6V	23EVHA	\$30.10						
		240V/6.3V	23EVJS	\$30.10						
		480V/6.3V	23EVPS	\$34.91						
<p><b>CONTACTS ARE:</b></p> <ol style="list-style-type: none"> <li>1. Rated A600 &amp; P300, pilot duty</li> <li>2. Silver on silver alloy</li> <li>3. Gold contacts are available for "Dry Circuit" and instrumentation applications.</li> </ol> <p>Contact Blocks with wire binding screws are suitable for field wiring, No. 14-22 AWG.</p> <p>Contact blocks with quick connect terminals must be wired to comply with U.L. minimum spacing requirements.</p>										



NOTE: Front mounted modular contact blocks attach to operator head using clips on page 5-113

**Modular electric contact blocks  
22mm/30mm**

modules: contact modules,  
lamp-holder,  
transformers and others






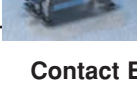
for front-mounted  
operators

**easy assembly and  
small number  
of standard parts**

others	protected screw	quick connect terminals terminals .250" x .032"	LIST PRICE
 <p>lamp testing module with 1 diode when connected up to lamp module on direct supply, enables user to check correct bulb function (127 V filament bulb) with no risk of return current flow.</p>	23ET	23EU	\$6.94
<p>lamp testing module with 2 diodes</p>	23ETT	23EUU	\$9.50
 <p>connector module with 2 interconnection terminals</p>	23EY	23EZ	\$8.31
<p>empty module (assembly blank) for indicator light or illuminated pushbutton with 2nd row transformer</p>	23EX		\$2.05

<b>Terminal Marking Legend Insert (For numbering of terminals)</b>	23EW	\$.46
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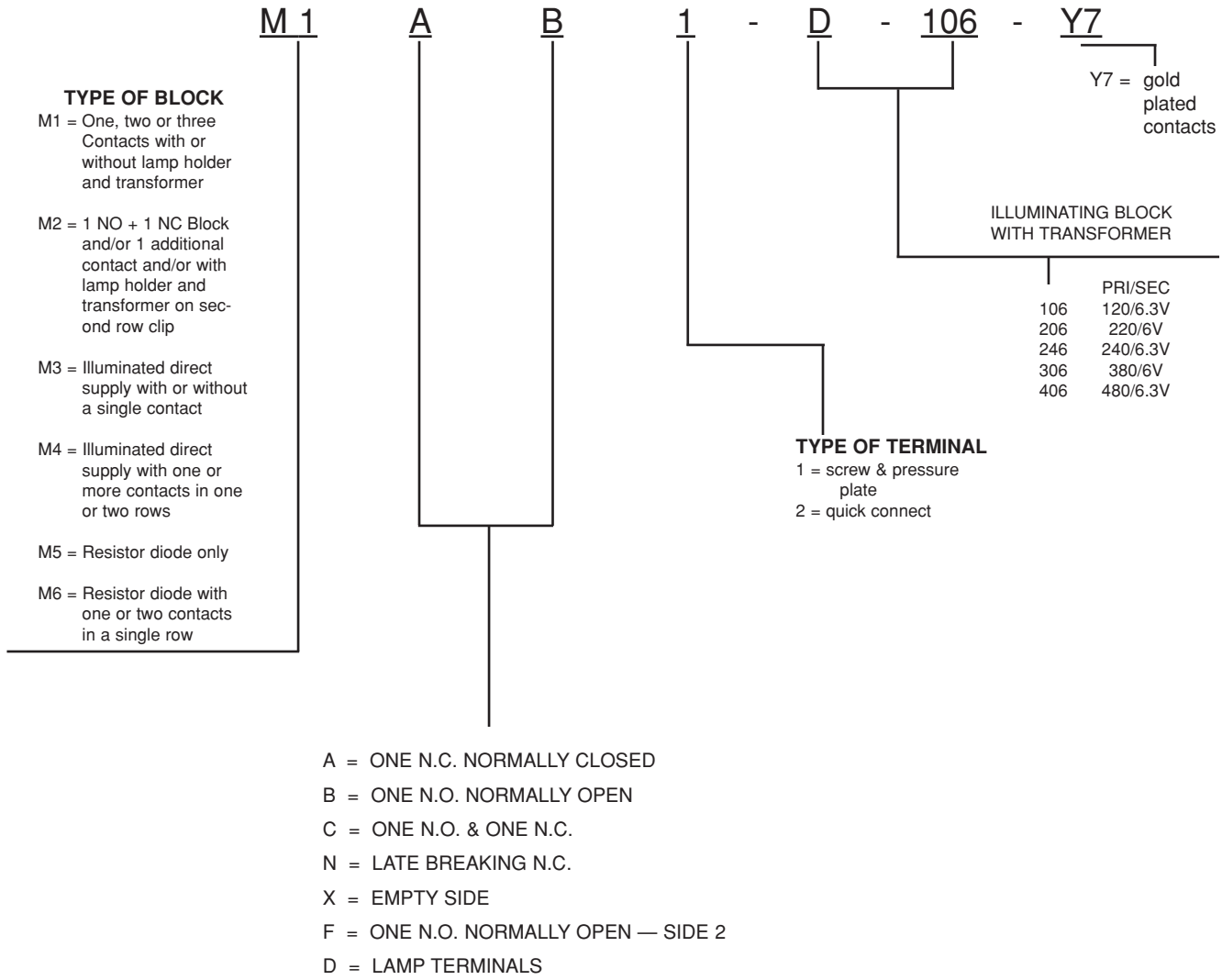
Note:  
For customers who have been using the BACO one piece Contact Block "Z" type, there are some configurations still available.  
Contact Baco Controls for details.

assembly clips		LIST PRICE
for mounting blocks to 22 and 30mm operators		
clip (module-holders)		
 <p>single module clip – holds one module <b>231E for "T" series</b> <b>230E for "C" series</b></p>		\$.63
 <p>clip with locking lever – holds 3 modules <b>233E</b></p>		\$.78
 <p>second row clip – holds 3 modules <b>236E</b></p>		\$.78
 <p>clip with locking lever for use with 23E11 – holds 3 modules <b>234E</b></p>		\$.94
 <p>side clip (right or left) – holds 1 module <b>235E</b></p>		\$.78
 <p>base mount clip – holds 3 modules <b>233S</b></p>		\$.78

For bulb selections see  
Page 5-111

Contact Baco Controls if using 234E clip with a transformer.

**M Series Contact Block Part Numbering System 22mm/30mm**



**Contacts fit both 22mm and 30mm operators**

**SEE PAGE 5-115 FOR STANDARD ASSEMBLIES**

**Modular contract block assemblies**  
**22mm/30mm (Standard combinations)**

Other combinations available - contact Baco

Lamps not supplied with illuminated blocks  
 see page 3-59 to order

electrical contacts	connection terminals	non-illuminated blocks		Components	illuminated blocks with direct power supply 6 to 130 V incandescent		**add lamp holder to diagram
		Part #	List Price		Part#	List Price	Components
1 NC	screw and clamp	M1AX1*	\$5.27	233E+23E01	M3AD1	\$12.97	233E+23EA+23E01
	stab 1/4"	M1AX2*	\$5.27	233E+23E01D	M3AD2	\$12.97	233E+23EB+23E01D
1 NO	screw and clamp	M1XB1*	\$5.27	233E+23E10	M3BD1	\$12.97	233E+23EA+23E10
	stab 1/4"	M1XB2*	\$5.27	233E+23E10D	M3BD2	\$12.97	233E+23EB+23E10D
1 NC + 1 NO	screw and clamp	M1AB1*	\$9.76	233E+23E10+23E01	M4AF1	\$17.46	233E+23EA+23E10+23E01
	stab 1/4"	M1AB2*	\$9.76	233E+23E10D+23E01D	M4AF2	\$17.46	233E+23EB+23E10D+23E01D
2 NC	screw and clamp	M1AA1*	\$9.76	233E+(2)23E01	M4AA1	\$17.46	
	stab 1/4"	M1AA2*	\$9.76	233E+(2)23E01D	M4AA2	\$17.46	
2 NO	screw and clamp	M1BB1*	\$9.76	233E+(2)23E10	M4BF1	\$17.46	233E+23EA+(2)23E10
	stab 1/4"	M1BB2*	\$9.76	233E+(2)23E10D	M4BF2	\$17.46	233E+23EB+(2)23E10D
2 NC + 2 NO	screw and clamp	M2CC1*	\$17.40	234E+(2)23E11			
	stab 1/4"	M2CC2*	\$19.52	233E+(2)23E10D+236E+(2)23E01D			
1 LAMP SOCKET ONLY	screw and clamp				M3XD1	\$8.48	233E+23EA
	stab 1/4"				M3XD2	\$8.48	233E+23EB

\* "D" indicates with transformer. State after the reference number of the contact block the reference for the transformer required, example: M1AB1 requires a transformer to reduce voltage from 120 volts to 6.3 volts. Add to the M1AB1D a 106 to read M1AB1D106.

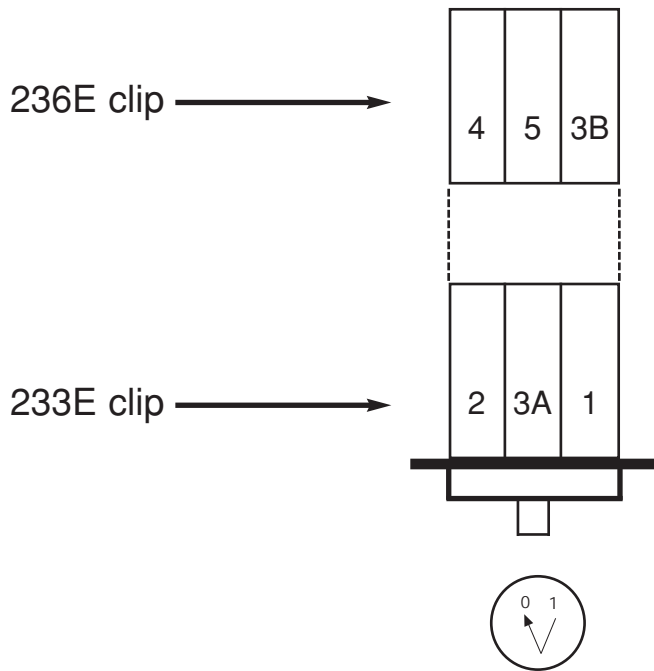
The reference numbers to add for transformers where illuminated blocks are used cover the following:

Part Number to Add	Price Adder
D106 for 120/6.3V	\$25.67
D206 for 220/6.3V	\$25.67
D246 for 240/6.3V	\$25.67
D306 for 380/6V	\$25.67
D406 for 480/6.3V	\$31.14

**Gold flashed contacts**

For dry circuit applications, standard silver contacts are suitable control signals as low as 10 ma @ 24 VAC . For lower signal levels, gold flashed contacts are recommended. To order—add "Y7" to the standard contact block part number. Example: M1AB1 becomes M1AB1Y7. Add \$8.10 to list price.

**Two Position Selector Switch**  
contact block diagrams



Mechanical Operation  
two position selector switch  
Position 0 - rest position (no actuation)  
Position 1 - actuates all locations

TOP VIEW

**2 POSITION — COMMON ARRANGEMENTS\***

M1XB1			
Module Part No.	Mounting Location	0	1
23E10	2	0	X

Mounting Clip 233E

M1BB1			
Module Part No.	Mounting Location	0	1
23E10	1	0	X
23E10	2	0	X

Mounting Clip 233E

M2CC1M1AB1			
Module Part No.	Mounting Location	0	1
23E10	3B	0	X
23E10	4	0	X
23E10	5	0	X
23E01	1	X	0
23E01	2	X	0
23E01	3A	X	0

Mounting Clip 233E & 236E

M1AX1			
Module Part No.	Mounting Location	0	1
23E01	1	X	0

Mounting Clip 233E

M1AA1			
Module Part No.	Mounting Location	0	1
23E01	1	X	0
23E01	2	X	0

Mounting Clip 233E

M1AB1			
Module Part No.	Mounting Location	0	1
23E10	2	0	X
23E01	1	X	0

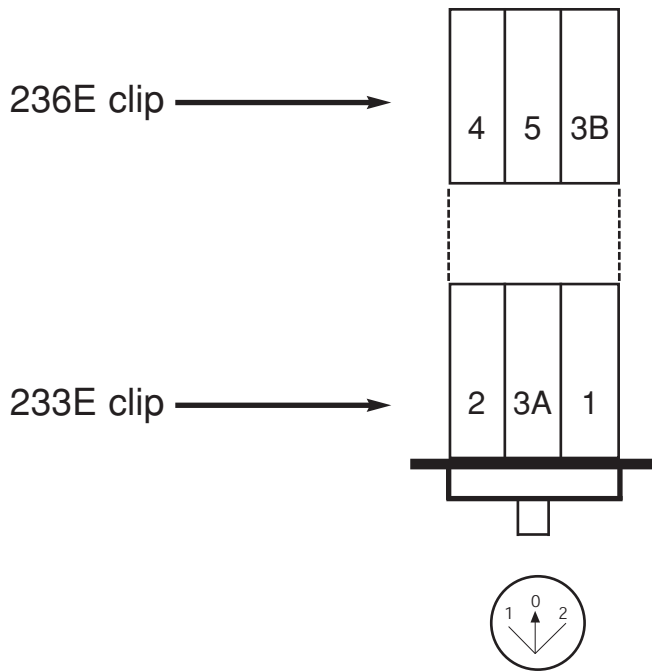
Mounting Clip 233E

M2AA1M1BB1			
Module Part No.	Mounting Location	0	1
23E10	3B	0	X
23E10	4	0	X
23E01	1	X	0
23E01	2	X	0

Mounting Clip 233E & 236E

\*References for non-illuminated operators. For corresponding illuminated operator references contact Baco Controls.

**Three Position Selector Switch**  
contact block diagrams



**Mechanical Operation**  
three position selector switch

Position 1 - actuates contact blocks in locations 1 and 3B

Position 0 - rest position (no actuation)

Position 2 - actuates contact blocks in locations 2, 3A, 4, and 5

TOP VIEW

**3 POSITION — COMMON ARRANGEMENTS\***

M1BB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10	1	X	0	0
23E10	2	0	0	X

Mounting Clip 233E

M1BB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10 & 23E10 in Parallel	1 & 2	X	0	X

Mounting Clip 233E

M2AA1M1BB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10	3B	X	0	0
23E01 & 23E01 in Series	1 & 2	0	X	0
23E10	4	0	0	X

Mounting Clip 233E & 236E

M1AA1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E01	1	0	X	X
23E01	2	X	X	0

Mounting Clip 233E

M1AA1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E01 & 23E01 in Series	1 & 2	0	X	0

Mounting Clip 233E

M2AA1M1BB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10	3B	X	0	0
23E10	4	0	0	X
23E01	1	0	X	X
23E01	2	X	X	0

Mounting Clip 233E & 236E

M1AB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10	2	0	0	X
23E01	1	0	X	X

Mounting Clip 233E

M2AA1M1BB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10 & 23E10 in Parallel	3B & 4	X	0	X
23E01 & 23E01 in Series	1 & 2	0	X	0

Mounting Clip 236E

M1BA1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10	1	X	0	0
23E01	2	X	X	0

Mounting Clip 233E

M2BB1M1BB1				
Module Part No.	Mounting Location	↙ 1	↑ 0	↘ 2
23E10	1	X	0	0
23E10	2	0	0	X
23E10	3B	X	0	0
23E10	4	0	0	X

Mounting Clip 233E & 236E

\*References for non-illuminated operators. For corresponding illuminated operator references contact Baco Controls.