

COPY A (PART NO. -02)

CONTACT TARGET TABLE FOR
2 POSITION SELECTOR SWITCHES

COPY B (PART NO. -02)

To determine the contact targets of Allen-Bradley two position selector switches, proceed as follows:

1. Determine on which SIDE of the selector switch the contact block is mounted: WHITE or BLACK. On the back of the selector switch is a molded plastic cover. On this cover is a nameplate indicating Catalog No. of the operator and location of side 1 (white actuator). Side 2 (black actuator) is the opposite side.
2. Identify the CONTACT BLOCK used by looking at the contact block cover plate and finding a Catalog No., such as 800T-XA.
3. Identify the CIRCUIT for which the contact target is desired by looking again at the contact block cover plate for a wiring symbol such as "A", "B", "A1", etc.
4. Identify the CAM used by looking again at the nameplate on the molded plastic cover on the back of the selector switch operator. The Catalog No., with exceptions listed below, contains the cam identification following the flag letter "K".

Example Catalog No.'s:

800T-H2KE8 or 800H-HR2KE8.

The E8 is the cam identification (there may be digits following).

Exceptions: Selector switches where a special cam was not specified. On standard two position maintained, a B6 cam is used. On standard two position spring return, an L8 cam is used.

Example Catalog No.'s of standard selector switches:

800T-H2A, 800T-H17C, 800T-H2B, 800T-H32H.


SELECTOR SWITCHES WHERE NO CAM IS REQUIRED FOR 3 AND 4 POSITION SELECTOR SWITCHES A KXX SHOULD BE SPECIFIED

EXAMPLE CATALOG NO.'S:

800T-J17KXX

ALL OPERATORS SPECIFIED WITH A KXX CAM DO NOT GET CONTACT BLOCKS. THIS OPTION IS FOR NON-ILLUMINATED DEVICES ONLY.

5. REFER TO THE TABLE BELOW AND FIND THE ACTUATOR COLOR, CONTACT BLOCK, AND WRITING SYMBOL. READ ACROSS THE TOP TO FIND THE CAM AND KNOB POSITION. WHERE THESE TWO COLUMNS INTERSECT WILL BE THE CONTACT TARGET.

REFERENCES		CONTACT TARGET TABLES		WAS	
REVISION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT	2, 3 & 4 POSITION SELECTOR SWITCHES.		 ALLEN-BRADLEY MILWAUKEE, WISCONSIN	
RELEASE	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED				
5	5064-86	2 PLACE DECIMAL (.XX)	CONTENTS FOR INSTRUCTION SHEET.		SHEET 1 OF 7
6	5114-86	±	DR. <i>Stavon</i>	DATE 4/17/81	
7	3648-88	3 PLACE DECIMAL (.XXX)	CHKD. <i>M. Schmitt</i>	DATE 4/24/81	DWC. SIZE B 40060-259
8	2164-97	±	APPD. <i>[Signature]</i>	DATE 6-4-97	
REFER. BOOK	40060	ANGLES ±			

CONTACT BLOCK 300T-	SINGLE CIRCUIT OR OPTIONAL	NORMAL CIRCUIT OPERATION	WIRING SYMBOL	CAM CODE AND KNOB POSITIONS ¹					
				MAINTAINED			SPRING RETURN		
				B6	E8	L8	FROM LEFT	FROM RIGHT	
WHITE	XA, XAR, XAP	XD2 or XD6 XD2R, XD2P	NC	B	X 0	0 X	0 X	0 X	X 0
		XD1 or XD5 XD1R, XD1P	NO	A	0 X	X 0	X 0	X 0	0 X
	XA1	XD4	NCLB	BZ1	X 0	0 X	0 X	0 X	X 0
		XD1 or XD5 XD1R, XD1P	NO	A2	0 X	X 0	X 0	X 0	0 X
	XA2, XA2R	XD1 or XD5 XD1R, XD1P	NO	A1	0 X	X 0	X 0	X 0	0 X
		XD1 or XD5 XD1R, XD1P	NO	A2	0 X	X 0	X 0	X 0	0 X
	XA3, XA4R	XD2 or XD6 XD2R, XD2P	NC	B1	X 0	0 X	0 X	0 X	X 0
		XD2 or XD6 XD2R, XD2P	NC	B2	X 0	0 X	0 X	0 X	X 0
	XA7	XD4	NCLB	BZ1	X 0	0 X	0 X	0 X	X 0
		XD2 or XD6 XD2R, XD2P	NC	B2	X 0	0 X	0 X	0 X	X 0
XD3	—	NOEM	AZ	0 X	X 0	X 0	X 0	0 X	
XD4	—	NCLB	BZ	X 0	0 X	0 X	0 X	X 0	
BLACK	XA, XAR, XAP	XD2 or XD6 XD2R, XD2P	NC	B	X 0	X 0	0 X	0 X	X 0
		XD1 or XD5 XD1R, XD1P	NO	A	0 X	0 X	X 0	X 0	0 X
	XA1	XD4	NCLB	BZ1	X 0	X 0	0 X	0 X	X 0
		XD1 or XD5 XD1R, XD1P	NO	A2	0 X	0 X	X 0	X 0	0 X
	XA2, XA2R	XD1 or XD5 XD1R, XD1P	NO	A1	0 X	0 X	X 0	X 0	0 X
		XD1 or XD5 XD1R, XD1P	NO	A2	0 X	0 X	X 0	X 0	0 X
	XA4, XA4R	XD2 or XD6 XD2R, XD2P	NC	B1	X 0	X 0	0 X	0 X	X 0
		XD2 or XD6 XD2R, XD2P	NC	B2	X 0	X 0	0 X	0 X	X 0
	XA7	XD4	NCLB	BZ1	X 0	X 0	0 X	0 X	X 0
		XD2 or XD6 XD2R, XD2P	NC	B2	X 0	X 0	0 X	0 X	X 0
XD3	—	NOEM	AZ	0 X	0 X	X 0	X 0	0 X	
XD4	—	NCLB	BZ	X 0	X 0	0 X	0 X	X 0	

¹ - The slanted lines represent the knob positions. ² XA2 Contact blocks must be used only on the 2ND level if stacked.

ABBREVIATIONS AND SYMBOLS

NO = Normally Open X = Closed
 NC = Normally Closed 0 = Open
 LB = Late Break
 EM = Early Make

COPY D

ALLEN-BRADLEY
 A Rockwell International
 Company
 40060-259-02(E)
 Printed in USA

REFERENCES		CONTACT TARGET TABLES		WAS	
REVISION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT	2, 3, & 4 POSITION SELECTOR SWITCHES, CONTENTS FOR INSTRUCTION SHEETS.		ALLEN-BRADLEY MILWAUKEE, WISCONSIN	
RELEASE	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED				
5 5064-86	2 PLACE DECIMAL (.XX) ±	DR. Sharon Jainer	DATE 4/17/81	SHEET 2 OF 7	
6 5114-86	3 PLACE DECIMAL (.XXX) ±	CHKD. M. Sommer	DATE 4/24/81	DWG. SIZE B 40060-259	
7 3648-88	ANGLES ±	APPD.	DATE		
8 2164-97					
REFER. BOOK	40060				

COPY E (PART NO. -03)

CONTACT TARGET TABLE FOR
3 POSITION SELECTOR SWITCHES

COPY F (PART NO. -03)

To determine the contact targets of Allen-Bradley three position selector switches, proceed as follows:

1. Determine on which SIDE of the selector switch the contact block is mounted: WHITE or BLACK. On the back of the selector switch is a molded plastic cover. On this cover is a nameplate indicating Catalog No. of the operator and location of side 1 (white actuator). Side 2 (black actuator) is the opposite side.
2. Identify the CONTACT BLOCK used by looking at the contact block cover plate and finding a Catalog No., such as 800T-XA.
3. Identify the CIRCUIT for which the contact target is desired by looking again at the contact block cover plate for a wiring symbol such as "A", "B", "A1", etc.
4. Identify the CAM used by looking again at the nameplate on the molded plastic cover on the back of the selector switch operator. The Catalog No., with exceptions listed below, contains the cam identification following the flag letter "K".

Example Catalog No.'s:

800T-J2KA1 or 800H-JR2KA1


The A1 is the cam identification (there may be digits following).

Exceptions: Selector switches where a special cam was not specified. On standard maintained and spring return three position, a B7 cam is used.

Example Catalog No.'s of standard selector switches:

800T-J2A, 800T-J17C, 800T-J2B, 800T-J42B.

5. Refer to the table on the reverse side and find the actuator color, contact block, and wiring symbol. Read across the top to find the cam and knob position. Where these two columns intersect will be the contact target.


REFERENCES		CONTACT TARGET TABLES		WAS	
REVISION		DIMENSIONS APPLY BEFORE SURFACE TREATMENT		 ALLEN-BRADLEY MILWAUKEE, WISCONSIN	
RELEASE		(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED			
5	5064-86	2, 3, & 4 POSITION SELECTOR SWITCHES,		SHEET 3 OF 7	
6	5114-86	CONTENTS FOR INSTRUCTION SHEET.		DWG. SIZE	
7	3648-88	2 PLACE DECIMAL (.XX)	DR. <i>Spencer</i>	DATE 4/17/81	40060-259
8	2164-97	3 PLACE DECIMAL (.XXX)	CHKD. <i>M. Homper</i>	DATE 4/24/81	
REFER. BOOK	40060	ANGLES ±	APPD.	DATE	


COPY G
(PART NO
-03)

ACTUATOR COLOR	CONTACT NO.	SINGLE CIRCUIT OPTIONAL	NORMAL OPERATION	WIRING SYMBOL	CAM CODE AND KNOB POSITIONS (D)															
					A1	A7	B7	C1	C7	D7	E7	F7	G1	G7	H1	H7	I1	I7	T1	T7
W H T E	XA1	X01	NC	B	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA2	X02	NC	A	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA3	X03	NC	B1	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA4	X04	NC	A2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA5	X05	NC	B1	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA6	X06	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA7	X07	NC	B21	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA8	X08	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA9	X09	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XA10	X10	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
B L A C K	XB1	X11	NC	B	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB2	X12	NC	A	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB3	X13	NC	B1	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB4	X14	NC	A2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB5	X15	NC	B1	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB6	X16	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB7	X17	NC	B21	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB8	X18	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB9	X19	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH
	XB10	X20	NC	B2	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH	OH

ABBREVIATIONS AND SYMBOLS
 OH = NORMALLY OPEN
 NC = NORMALLY CLOSED
 B = BATTERY
 A = ARMATURE
 B1, B2, B21, B22 = CONTACT BLOCKS
 A1, A2 = CONTACT BLOCKS
 B = NOT AVAILABLE

THE ELASTIC LINE REPRESENTS THE KNOB POSITIONS
 NOTED CANNOT BE USED WITH METAL WHOLEVER OPERATOR OR X21 CONTACT BLOCKS BECAUSE
 INERTIA UPON SPRING RETURN MAY CAUSE UNINTENDED CONTACT ACTION
 X2A CONTACT BLOCKS MUST BE USED ONLY ON THE 2-SP. LEVEL
 IF STACKED.

COPY H

ALLEN-BRADLEY
 A Rockwell International Company
 40060-259-03(F)
 Printed in USA

REFERENCES		CONTACT TARGET TABLES		WAS	
REVISION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT	2, 3, & 4 POSITION SELECTOR SWITCHES. CONTENTS FOR INSTRUCTION SHEET.		 ALLEN-BRADLEY MILWAUKEE, WISCONSIN	
RELEASE	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED				
5 5064-86	± 2 PLACE DECIMAL XXX	DR. <i>Sherry Jones</i>	DATE 4/17/81	SHEET 4 OF 7	
6 5114-86	± 3 PLACE DECIMAL XXXX	CHKD. <i>M. Tompkins</i>	DATE 4/24/81	DWG. SIZE B 40060-259	
7 3648-88	± ANGLES ±	APPD. <i>R. J. Drindel</i>	DATE 4-28-81		
8 2164-97					
REFER. BOOK 40060					

COPY J (PART NO. -04)

CONTACT TARGET TABLE FOR
4 POSITION SELECTOR SWITCHES

COPY K (PART NO. -04)

To determine the contact targets of Allen-Bradley four position selector switches, proceed as follows:


1. Determine on which SIDE of the selector switch the contact block is mounted: WHITE or BLACK. On the back of the selector switch is a molded plastic cover. On this cover is a nameplate indicating Catalog No. of the operator and location of side 1 (white actuator). Side 2 (black actuator) is the opposite side.
2. Identify the CONTACT BLOCK used by looking at the contact block cover plate and finding a Catalog No., such as 800T-XA.
3. Identify the CIRCUIT for which the contact target is desired by looking again at the contact block cover plate for a wiring symbol such as "A", "B", "A1", etc.
4. Identify the CAM used by looking again at the nameplate on the molded plastic cover on the back of the selector switch operator. The Catalog No. contains the cam identification following the flag letter "K".

Example Catalog No.'s:

800T-N2KF4 or 800H-NR2KF4

The F4 is the cam identification (there may be digits following).

5. Refer to the table below and find the actuator color, contact block, and wiring symbol. Read across the top to find the cam and knob position. Where these two columns intersect will be the contact target.

REFERENCES		CONTACT TARGET TABLES		WAS	
REVISION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT	2, 3, & 4 POSITION SELECTOR SWITCHES, CONTENTS FOR INSTRUCTION SHEET.		 ALLEN-BRADLEY MILWAUKEE, WISCONSIN	
RELEASE	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED				
5 5064-86		DR. <i>Sharon Janer</i>	DATE 4/17/81	SHEET 5 OF 7	
6 5114-86	2 PLACE DECIMAL (XX) ±	CHKD. <i>Mo Dampier</i>	DATE 4/24/81	DWG. SIZE 40060-259 B	
7 3648-88	3 PLACE DECIMAL (XXX) ±	APPD. <i>[Signature]</i>	DATE 4/24/81		
8 2164-97	ANGLES ±				
REFER. BOOK	40060				

COPY L (PART NO. -04)

CONTACT BLOCK BOOT-	SINGLE CIRCUIT OR OPTIONAL	NORMAL CIRCUIT OPERATION	WIRING SYMBOL	CAM CODE AND KNOB POSITIONS 1					
				F4	G4	K4 2	M4 2	P4	
WHITE	XA, XAR, XAP	XD2 or XD6 XD2R, XD2P	NC	B	0 X 0 0	0 0 X 0	X X 0 0	0 X X 0	0 X 0 0
		XD1 or XD5 XD1R, XD1P	NO	A	X 0 0 0	X X 0 0	0 0 X X	X 0 0 0	0 0 0 X
	XA1	XD4	NCLB	BZ1	0 X X X	0 0 X X	X X 0 0	0 X X X	X X X 0
		XD1 or XD5 XD1R, XD1P	NO	A2	X 0 0 0	X X 0 0	0 0 X X	X 0 0 0	0 0 0 X
	XA2, XA2R	XD1 or XD5 XD1R, XD1P	NO	A1	X 0 0 0	X X 0 0	0 0 X X	X 0 0 0	0 0 0 X
		XD1 or XD5 XD1R, XD1P	NC	A2	X 0 0 0	X X 0 0	0 0 X X	X 0 0 0	0 0 0 X
	XA4, XA4R	XD2 or XD6 XD2R, XD2P	NC	B1	0 X 0 0	0 0 X 0	X X 0 0	0 X X 0	0 X 0 0
		XD2 or XD6 XD2R, XD2P	NC	B2	0 X 0 0	0 0 X 0	X X 0 0	0 X X 0	0 X 0 0
	XA7	XD4	NCLB	BZ1	0 X X X	0 0 X X	X X 0 0	0 X X X	X X X 0
		XD2 or XD6 XD2R, XD2P	NC	B2	0 X 0 0	0 0 X 0	X X 0 0	0 X X 0	0 X 0 0
XD3	---	NOEM	AZ	X 0 X X	X X 0 X	2	2	X 0 X X	
XD4	---	NCLB	BZ	0 X X X	0 0 X X	X X 0 0	0 X X X	X X X 0	
BLACK	XA, XAR, XAP	XD2 or XD6 XD2R, XD2P	NC	B	0 0 X 0	0 0 0 X	0 X X 0	0 X 0 0	X 0 0 0
		XD1 or XD5 XD1R, XD1P	NO	A	0 0 0 X	X 0 0 0	X 0 0 X	0 0 0 X	0 0 X X
	XA1	XD4	NCLB	BZ1	X X X 0	0 X X X	0 X X 0	X X X 0	X X 0 0
		XD1 or XD5 XD1R, XD1P	NO	A2	0 0 0 X	X 0 0 0	X 0 0 X	0 0 0 X	0 0 X X
	XA2, XA2R	XD1 or XD5 XD1R, XD1P	NO	A1	0 0 0 X	X 0 0 0	X 0 0 X	0 0 0 X	0 0 X X
		XD1 or XD5 XD1R, XD1P	NO	A2	0 0 0 X	X 0 0 0	X 0 0 X	0 0 0 X	0 0 X X
	XA4, XA4R	XD2 or XD6 XD2R, XD2P	NC	B1	0 0 X 0	0 0 0 X	0 X X 0	0 X 0 0	X 0 0 0
		XD2 or XD6 XD2R, XD2P	NC	B2	0 0 X 0	0 0 0 X	0 X X 0	0 X 0 0	X 0 0 0
	XA7	XD4	NCLB	BZ1	X X X 0	0 X X X	0 X X 0	X X X 0	X X 0 0
		XD2 or XD6 XD2R, XD2P	NC	B2	0 0 X 0	0 0 0 X	0 X X 0	0 X 0 0	X 0 0 0
XD3	---	NOEM	AZ	X X 0 X	X X 0 0	2	2	0 X X X	
XD4	---	NCLB	BZ	X X X 0	0 X X X	0 X X 0	X X X 0	X X 0 0	

- 1 - The slanted lines represent the knob positions.
 2 - **Noted CAMS cannot be used with metal wing lever operators or XD3 Contact Blocks because inertia upon spring return may cause unintended contact action.**
 3 - X2A Contact blocks must be used only on the 2nd level if stacked.
- ABBREVIATIONS AND SYMBOLS**
 NO = Normally Open X = Closed
 NC = Normally Closed 0 = Open
 LB = Late Break N/A = Not Available
 EM = Early Make

COPY M

AB ALLEN-BRADLEY
 A Rockwell International Company
 40060-259-04(F)
 Printed in USA

REFERENCES		CONTACT TARGET TABLES		WAS	
REVISION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT	2, 3, & 4 POSITION SELECTOR SWITCHES, CONTENTS FOR INSTRUCTION SHEETS.		AB ALLEN-BRADLEY MILWAUKEE, WISCONSIN	
5 5064-86	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED	DR. Sharon Jansen		DATE 4/17/81	SHEET 6 OF 7
6 5114-86	2 PLACE DECIMAL (.XX) ±	CHKD. M. Dompier		DATE 4/24/81	DWG. SIZE B
7 3618-88	3 PLACE DECIMAL (.XXX) ±	APPD.		DATE	40060-259
8 2164-97	ANGLES ±				
REFER. BOOK	40060				

A

B

C

D

E

F

G

-04	F	ONE-SIDE PRINTED BODY STOCK WHITE BODY INK BLACK	6"W x 8-1/2"H (FLAT) 3"W x 2-1/8"H (Folded)	J, K, L, M
-03	F	TWO SIDES PRINTED BODY STOCK WHITE BODY INK BLACK	6"W x 8-1/2"H (FLAT) 3"W x 2-1/8"H (Folded)	E, F, G, H
-02	E	ONE-SIDE PRINTED BODY STOCK WHITE BODY INK BLACK	6"W x 8-1/2"H (FLAT) 3"W x 2-1/8"H (Folded)	A, B, C, D
		VOID	VOID	VOID
		VOID	VOID	VOID
PART NO.	CHG. LTR.	MATERIAL	FINISHED SIZE FLAT, (FOLDED)	CONTENTS PER COPY:

OBSOLETE AND SUPERSEDED BY 40061-064-01

OBSOLETE AND SUPERSEDED BY 40061-064-01

DO NOT WRITE IN THIS AREA

REFERENCES

REVISION	RELEASE	DIMENSIONS APPLY BEFORE SURFACE TREATMENT (DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED
5	5064-86	2 PLACE DECIMAL (.XX) ±
6	5114-86	3 PLACE DECIMAL (.XXX) ±
7	3648-88	ANGLES ±
8	2164-97	
REFER. BOOK	40060	

CONTACT TARGET TABLES

2, 3 & 4 POSITION SELECTOR SWITCHES.	
CONTENTS FOR INSTRUCTION SHEETS.	
DR. <i>Sharon Jaine</i>	DATE 4/17/81
CHKD. <i>M. Longner</i>	DATE 4/24/81
APPD.	DATE

WAS

ALLEN-BRADLEY
MILWAUKEE, WISCONSIN

AB

SHEET 7 OF 7

DWG. SIZE B **40060-259**