

Cam Switches, Motor Disconnect Switches

Ordering of Non-standard Contact Sequences

Key to type references

↑	↑		↑	↑	↑
Switch size	Number of contact chambers		Contact sequence number	Mounting form	Accessories
	Max. chambers	Max. contacts			
T0	11	22	With manufacturing country identifier. For initial order, enclose completed form (see next page). Contact sequence number is issued by factory.	<ul style="list-style-type: none"> • Mounting form /E • Single-hole mounting /EZ (for T0, T3) • Surface mounting /I...¹⁾ • Base mounting with cover /IVS (for T0) • Base mounting /Z • Cover mounting main switches /EA/SVB²⁾ • Surface mounting main switches /I.../SVB • Base mounting main switches /V/SVB²⁾ 	→ pages 07/056 – 071 State in full with every order!
T3	11	22	For subsequent orders, type suffix is sufficient.		
T5B	10	20			

Design notes for non-standard contact sequences

Contact sequence

Form FO 2 (see next page) makes it easy to determine the contact sequence.

Master copy → page 07/088

Switching angles

30, 45, 60, 90°

Preferred angle: 60°

For On/Off switches: 90°

For main switches: 90° as FS 908

Interruption of contacts between 2 switch positions (On-Off-On) not admissible on T0; or T3 at switching angles of 30°, 45°; or T5B at switching angle of 30°

Spring-return

The switching movement is limited by a stop.

The switch returns under spring pressure to the last indexed position. Where a switch has spring-return from both directions, a maximum of three positions can be transversed.

The return angle is < ½ switching angle. A maximum of 6 contacts can be returned at the same time.

Fleeting contacts

Duration of contact depends primarily on the speed of actuation. If a contactor is to be actuated by means of fleeting contact, the switching angle of the cam switch must not be less than 60°, or the switching pulse may be too short. Fleeting contacts always act in both directions.

Complete rotation

Possible only with a total switching angle of 360°. Unrestricted rotation in either direction. The number of switch positions multiplied by the switching angle must equal 360°.

Number of contact chambers

$\frac{\text{Number of contacts}}{2} = \text{round up to nearest whole}$

Each contact chamber = contact unit has 1 or 2 contacts, each operated by a cam.

On T5B one cam operates both contacts.

Consequently: where the total switching angle is less than 180°, the contacts can be operated independently of one another. At switching angles of 180° and above, two contacts per chamber are possible only if their switching sequences are the same, but offset by 180°. (e.g. stepping switch T5B-4-8235).

Standard features

as for cam switches with standard contact sequences

→ page 07/006, 008

Notes	page
Technical data	07/072
Dimensions	07/076

Notes

The sequence of the contacts may be changed if technical reasons so dictate.

For non-standard switches it is preferable to arrange the links so that terminals whose numbers differ by 4 are linked with one another, e.g. terminals 1-5-9; 2-6-10; 3-7-11- or 4-8-12-. Such links can be removed (also applies for standard switches), whereas links 1-3, 2-4, 5-7, 6-8 cannot be removed because they are situated within the switch.

Links between an even number and an odd number (e.g. 2-3) cannot be provided by the factory and must be supplied by the user.

¹⁾ T0-.../I2 up to 4 contact chambers

T3-.../I2 up to 5 contact chambers

²⁾ T0 up to 8 contacts = 4 contact chambers,
T3 up to 12 contacts = 6 contact chambers

T Cam Switches

Ordering of Non-standard Contact Sequences

MOELLER		Initial order for a cam switch combination Première commande de combinaisons de commutateur à cames							
Ordering number: N° de commande :		Position: Poste :		Office: Bureau :		Representative: Employé :			
Customer: Client :				Customer number: N° client :			Date: Date :		
Note: The number of possible contacts as well as possible combinations with mounting forms are shown in the Main Catalog. Reportez-vous au Catalogue Général pour connaître le nombre maximal de contacts et les possibilités de combinaisons selon les modèles.	Quantity: Quantité :	Switching angle: Angle de rotation :	Type: Référence :	No. of contacts: Nombre de contacts :		Mounting form: Modèle :			
	Price each: Prix unitaire :	<input type="checkbox"/> 30 <input checked="" type="checkbox"/> 45 <input type="checkbox"/> 60 <input type="checkbox"/> 90	<input checked="" type="checkbox"/> T0 <input type="checkbox"/> T3 <input type="checkbox"/> T5B	<input type="checkbox"/> 1 <input type="checkbox"/> 12 <input type="checkbox"/> 2 <input type="checkbox"/> 13 <input type="checkbox"/> 3 <input type="checkbox"/> 14 <input type="checkbox"/> 4 <input type="checkbox"/> 15 <input type="checkbox"/> 5 <input type="checkbox"/> 16 <input type="checkbox"/> 6 <input type="checkbox"/> 17 <input type="checkbox"/> 7 <input type="checkbox"/> 18 <input type="checkbox"/> 8 <input type="checkbox"/> 19 <input checked="" type="checkbox"/> 9 <input type="checkbox"/> 20 <input type="checkbox"/> 10 <input type="checkbox"/> 21 <input type="checkbox"/> 11 <input type="checkbox"/> 22	<input checked="" type="checkbox"/> E <input type="checkbox"/> EA/SVB <input type="checkbox"/> EA/SVB-SW <input type="checkbox"/> EZ <input type="checkbox"/> EZ/OFS <input type="checkbox"/> I... <input type="checkbox"/> I.../SVB <input type="checkbox"/> I.../SVB-SW <input type="checkbox"/> IVS <input type="checkbox"/> V/SVB <input type="checkbox"/> V/SVB-SW <input type="checkbox"/> X <input type="checkbox"/> XZ <input checked="" type="checkbox"/> Z <input checked="" type="checkbox"/> + S-T0 <input type="checkbox"/> + _____				
		Max. characters / switching angle on FS plate Max. caractères / angle de rotation sur plaque FS Degrees / degrés T0(3) T5B 0,180 13 13 30, 210, 330 8 8 45, 135, 225, 315 6 7 60, 120, 240, 300 5 7 90, 270 4 7 150 8 8							

Front Plate No. Plastron N° FS	Contact chambers/Galettes																					
<input type="radio"/> Complete rotation Rotation totale <input checked="" type="radio"/> Spring return Retour autom.																						
	Marking/Repérage																					
Degree/Degrés	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
270	1	X	X	X	X	X	X	X														
300																						
315	2	X	X	X				X														
330																						
0	3	X			X	X																
30	0																					
45	4																					
60																						
90																						
120																						
135																						
150																						
180																						
210																						
225																						
240																						
Key removable Retrait de la clé	X																					
Type for re-orders (to be filled in by Factory) Référence pour commandes ultérieures (à compléter par l'usine)		T _____																				

The sequence of contacts may be changed for technical reasons.
L'ordre des contacts peut être modifié pour des raisons techniques.

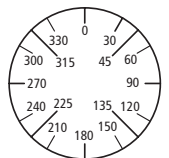
Key removability with ..S-T0 and SVA-T3:
 Pos. 1: Key removable
 Pos. 2: Key removable
 Pos. 3: Key removable
 Pos. 4: Key not removable
 } With SVA-T3, it is possible to switch between pos. 1 and 3 even after key has been removed

Cam Switches, Motor Disconnect Switches

Ordering of Non-standard Contact Sequences

MOELLER		Initial order for a cam switch combination Première commande de combinaisons de commutateur à cames					
Ordering number: N° de commande :		Position: Poste :		Office: Bureau :		Representative: Employé:	
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Max. characters / switching angle on FS plate Max. caractères / angle de rotation sur plaque FS							
		Degrees / degrés	T0(3)	T5B			
		0,180	13	13			
		30, 210, 330	8	8			
		45, 135, 225, 315	6	7			
		60, 120, 240, 300	5	7			
		90, 270	4	7			
		150	8	8			

Cam Switches, Motor Disconnect Switches

Front Plate No. Plastron N° FS _____ <input type="radio"/> Complete rotation Rotation totale <input type="radio"/> Spring return Retour autom.  Marking/Repérage	Contact chambers/Galettes <table border="1" style="width:100%; text-align: center; border-collapse: collapse;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>11</td><td>13</td><td>15</td><td>17</td><td>19</td><td>21</td><td>23</td><td>25</td><td>27</td><td>29</td><td>31</td> </tr> <tr> <td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>12</td><td>14</td><td>16</td><td>18</td><td>20</td><td>22</td> </tr> <tr> <td>23</td><td>25</td><td>27</td><td>29</td><td>31</td><td>33</td><td>35</td><td>37</td><td>39</td><td>41</td><td>43</td> </tr> <tr> <td>31</td><td>33</td><td>35</td><td>37</td><td>39</td><td>41</td><td>43</td><td>45</td><td>47</td><td>49</td><td>51</td> </tr> <tr> <td>38</td><td>40</td><td>42</td><td>44</td><td>46</td><td>48</td><td>50</td><td>52</td><td>54</td><td>56</td><td>58</td> </tr> </table>	1	2	3	4	5	6	7	8	9	10	11												11	13	15	17	19	21	23	25	27	29	31	2	4	6	8	10	12	14	16	18	20	22	23	25	27	29	31	33	35	37	39	41	43	31	33	35	37	39	41	43	45	47	49	51	38	40	42	44	46	48	50	52	54	56	58																																																			
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The sequence of contacts may be changed for technical reasons.
L'ordre des contacts peut être modifié pour des raisons techniques.

T Cam Switches

Ordering of Non-standard Front Plates

		Initial ordering of non-standard front plates Première commande de plastrons spéciaux	
Ordering number: N° de commande :		Position: Poste :	
Office: Bureau :		Representative: Employé :	
Customer: Client		Customer number: N° client :	
Quantity: Quantité :	Price/each Prix unitaire :	Date: Date :	

Non-standard front plates / Plastrons spéciaux
 Marking/repérage):
 Front plate with black lettering
 Plastron à caractères noirs

Insert text / insérer texte
 Note the maximum number of characters allowed outside the marked area!
 Indiquer le nombre max. de caractères permis à l'extérieur du marquage

Type

FS-SOND-T0 (T3, P1)
 Height of letters / hauteur des caractères
 ≤ 2 characters/caractères 4 mm
 ≥ 2 characters/caractères 3 mm

FS-SOND-P3 (T5B)
 Height of letters / hauteur des caractères
 ≤ 2 characters/caractères 8 mm
 ≥ 2 characters/caractères 5 mm

For P1 and P3 complete only positions 270° and 0° / Pour P1 et P3, indiquer seulement les positions 270° et 0°

Max. no. of characters / Nombre max. des caractères		
Position		
Degrees / degrés	T0/P1	T5/P3
0, 180	13	13
30, 210, 330	8	8
45, 135, 225, 315	6	7
60, 120, 240, 300	5	7
90, 270	4	7
150	8	8

Position	Dimensions	Size of front plate / Dimensions du plastron
	Type	
	T0, T3, P1	45 × 45 mm (for frame sizes / pour cadres 48 × 48)
	P3, T5B	84 × 84 mm (for frame sizes / pour cadres 88 × 88)

Type for re-orders (to be filled in by Factory)
 Référence pour commandes ultérieures (à compléter par l'usine)

FS