

Load and Motor Switch / Control Switch Series 8006/4



- > Isolator features
- > Switching capacity
- > Rated working voltage up to 690 V AC
- > Different switching arrangements available



E9

14227E00

Load and motor switches Series 8006 meets all requirements for use as motor switches or main switches. Since these switches are components (U-certificate), they must be installed in enclosures with type of protection „Ex e“ increased safety.

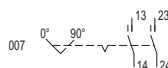
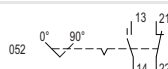
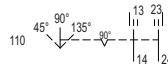
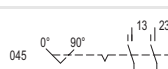
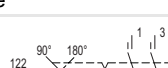
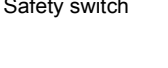
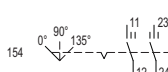
	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		x	x			

WebCode 8006B

Load and Motor Switch / Control Switch

Series 8006/4

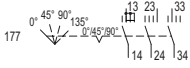
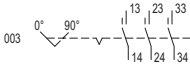
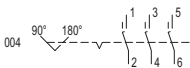
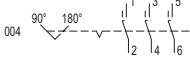
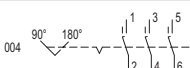
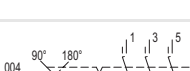
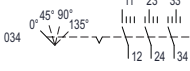
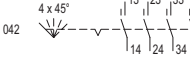
Selection Table

Version	Description	Order number																			
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		13	23																		
	0°																				
	90°	X	X																		
	14	24																			
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	13	21																			
0°		X																			
90°	X																				
	14	22																			
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	13	23																			
45°	X																				
90°																					
135°		X																			
	14	24																			
3-pole <table><tr><td></td><td>13</td><td>23</td><td>33</td></tr><tr><td>0°</td><td></td><td></td><td></td></tr><tr><td>90°</td><td>X</td><td>X</td><td>X</td></tr><tr><td></td><td>14</td><td>24</td><td>34</td></tr></table>  045 Switching arrangement no. 045 Contact material: silver-tin oxide 08889E00		13	23	33	0°				90°	X	X	X		14	24	34	8006/4-045-00				
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0°																					
90°	X	X	X																		
	14	24	34																		
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	1	3	5																		
45°																					
135°	X	X	X																		
	2	4	6																		
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	1	3	5																		
90°																					
180°	X	X	X																		
	2	4	6																		
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	1	3	5																		
90°																					
180°	X	X	X																		
	2	4	6																		
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	1	3	5																		
90°																					
180°	X	X	X																		
	2	4	6																		
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	11	23	33																		
0°																					
90°	X																				
180°			X																		
	12	24	34																		

Load and Motor Switch / Control Switch

Series 8006/4

Selection Table

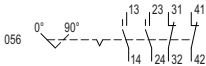
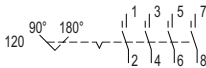
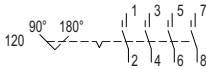
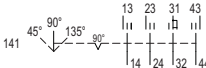
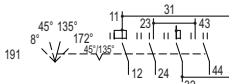
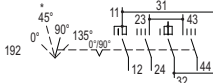
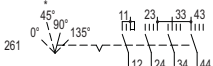
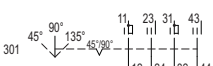
Version	Description	Order number																																			
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	13	23	33																																		
0°																																					
45°	X		X																																		
90°	X																																				
135°	X	X																																			
	14	24	34																																		
	4-pole <table><tr><td></td><td>13</td><td>23</td><td>33</td><td>43</td></tr><tr><td>0°</td><td></td><td></td><td></td><td></td></tr><tr><td>90°</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td></td><td>14</td><td>24</td><td>34</td><td>44</td></tr></table>  003 Switching arrangement no. 003 Contact material: silver-tin oxide 08891E00		13	23	33	43	0°					90°	X	X	X	X		14	24	34	44	8006/4-003-00															
	13	23	33	43																																	
0°																																					
90°	X	X	X	X																																	
	14	24	34	44																																	
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	1	3	5	13																																	
90°																																					
180°	X	X	X	X																																	
	2	4	6	14																																	
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90°																																					
180°	X	X	X	X																																	
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90°																																					
180°	X	X	X	X																																	
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	1	3	5	13																																	
90°																																					
180°	X	X	X	X																																	
	2	4	6	14																																	
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	11	23	33	43																																	
0°	X																																				
45°		X																																			
90°			X																																		
135°				X																																	
	12	24	34	44																																	
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	13	23	33	43																																	
0°																																					
45°	X																																				
90°	X																																				
135°			X																																		
180°				X																																	
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E9

Load and Motor Switch / Control Switch

Series 8006/4

Selection Table

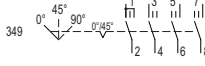
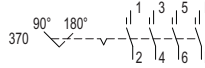
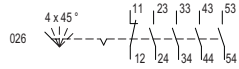
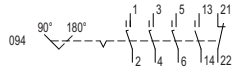
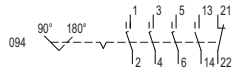
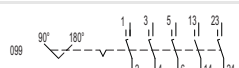
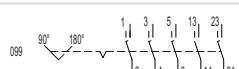
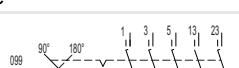
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 14792E00 Load and motor switch 25 A Series 8006/4	4-pole <table><tr><td></td><td>13</td><td>23</td><td>31</td><td>41</td></tr><tr><td>0°</td><td></td><td></td><td>X</td><td>X</td></tr><tr><td>90°</td><td>X</td><td>X</td><td></td><td></td></tr><tr><td></td><td>14</td><td>24</td><td>32</td><td>42</td></tr></table>  Switching arrangement no. 056 Contact material: silver-tin oxide 14668E00		13	23	31	41	0°			X	X	90°	X	X				14	24	32	42	8006/4-056-00										
	13	23	31	41																												
0°			X	X																												
90°	X	X																														
	14	24	32	42																												
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	1	3	5	7																												
90°																																
180°	X	X	X	X																												
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	1	3	5	7																												
90°																																
180°	X	X	X	X																												
	2	4	6	8																												
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	13	23	31	43																												
45°	X	X																														
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8°																																
45°	X			X																												
135°	X	X	X																													
172°	X	X	X																													
	12	24	32	44																												
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	11	23	31	43																												
0°	X			X																												
45°				X																												
90°	X	X																														
135°	X	X	X																													
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	11	23	33	43																												
0°	X			X																												
45°				X																												
90°	X																															
135°	X	X																														
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	11	23	31	43																												
45°																																
90°	X	X	X	X																												
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Load and Motor Switch / Control Switch

Series 8006/4

STAHL

Selection Table

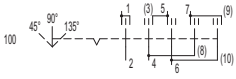
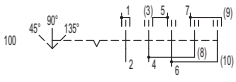
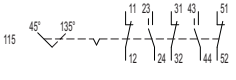
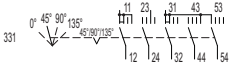
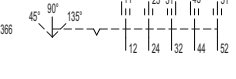
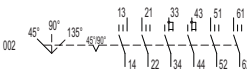
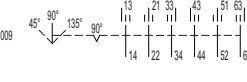
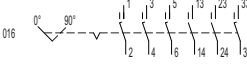
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		1	3	5	7																																							
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	45°																																											
90°	X		X	X																																								
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	1	3	5	N																																								
90°																																												
180°	X	X	X	X																																								
	2	4	6	N'																																								
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	11	23	33	43	53																																							
0°	X																																											
45°		X																																										
90°			X																																									
135°				X																																								
180°					X																																							
	12	24	34	44	54																																							
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	1	3	5	13	21																																							
90°					X																																							
180°	X	X	X	X	X																																							
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	1	3	5	13	21																																							
90°					X																																							
180°	X	X	X	X	X																																							
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	1	3	5	13	23																																							
90°					X																																							
180°	X	X	X	X	X																																							
	2	4	6	14	24																																							
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	1	3	5	13	23																																							
90°					X																																							
180°	X	X	X	X	X																																							
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	1	3	5	13	23																																							
90°					X																																							
180°	X	X	X	X	X																																							
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E9

Load and Motor Switch / Control Switch

Series 8006/4

Selection Table

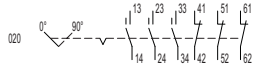
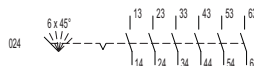
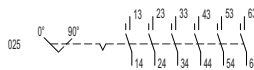
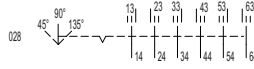
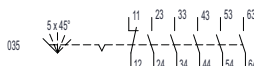
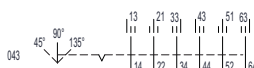
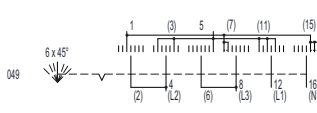
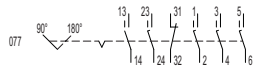
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 14792E00 Load and motor switch 25 A Series 8006/4	5-pole <table><tr><td></td><td>1</td><td>(3)</td><td>5</td><td>7</td><td>(9)</td></tr><tr><td>45°</td><td>X</td><td></td><td>X</td><td>X</td><td></td></tr><tr><td>90°</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>135°</td><td>X</td><td>X</td><td></td><td></td><td>X</td></tr><tr><td></td><td>2</td><td>4</td><td>6</td><td>(8)</td><td>(10)</td></tr></table> 10079E00 Switching arrangement no. 100 Reversing switch Contact material: silver-tin oxide		1	(3)	5	7	(9)	45°	X		X	X		90°						135°	X	X			X		2	4	6	(8)	(10)	8006/4-100-00						
	1	(3)	5	7	(9)																																	
45°	X		X	X																																		
90°																																						
135°	X	X			X																																	
	2	4	6	(8)	(10)																																	
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	1	(3)	5	7	(9)																																	
45°	X		X	X																																		
90°																																						
135°	X	X			X																																	
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	11	23	31	43	51																																	
45°	X		X		X																																	
135°		X		X																																		
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0°	X		X		X																																	
45°		X		X																																		
90°			X																																			
135°	X				X																																	
	12	24	32	44	54																																	
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45°	X																																					
90°			X	X	X																																	
135°		X																																				
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6-pole	<table><tr><td></td><td>13</td><td>21</td><td>33</td><td>43</td><td>51</td><td>61</td></tr><tr><td>45°</td><td></td><td></td><td>X</td><td></td><td>X</td><td>X</td></tr><tr><td>90°</td><td></td><td></td><td></td><td>X</td><td>X</td><td></td></tr><tr><td>135°</td><td>X</td><td></td><td>X</td><td></td><td></td><td>X</td></tr><tr><td></td><td>14</td><td>22</td><td>34</td><td>44</td><td>52</td><td>62</td></tr></table> 14951E00 Switching arrangement no. 002 Contact material: silver-tin oxide		13	21	33	43	51	61	45°			X		X	X	90°				X	X		135°	X		X			X		14	22	34	44	52	62	8006/4-002-00	
	13	21	33	43	51	61																																
45°			X		X	X																																
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135°	X		X			X																																
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	13	21	33	43	51	63																																
45°	X				X																																	
90°		X				X																																
135°			X		X																																	
	14	22	34	44	52	64																																
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	1	3	5	13	23	33																																
0°	X		X		X																																	
90°		X		X		X																																
	2	4	6	14	24	34																																

Load and Motor Switch / Control Switch

Series 8006/4

STAHL

Selection Table

Version	Description	Order number																																																																						
 14792E00 Load and motor switch 25 A Series 8006/4	6-pole <table><tr><td></td><td>13</td><td>23</td><td>33</td><td>41</td><td>51</td><td>61</td></tr><tr><td>0°</td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td></tr><tr><td>90°</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td></tr><tr><td></td><td>14</td><td>24</td><td>34</td><td>42</td><td>52</td><td>62</td></tr></table> Switching arrangement no. 020 Contact material: silver-tin oxide  10063E00		13	23	33	41	51	61	0°				X	X	X	90°	X	X	X					14	24	34	42	52	62	8006/4-020-00																																										
	13	23	33	41	51	61																																																																		
0°				X	X	X																																																																		
90°	X	X	X																																																																					
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	13	23	33	43	53	63																																																																		
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	13	23	33	43	53	63																																																																		
0°																																																																								
90°	X	X	X	X	X	X																																																																		
	14	24	34	44	54	64																																																																		
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	13	23	33	43	53	63																																																																		
45°		X		X		X																																																																		
90°			X		X																																																																			
135°	X			X																																																																				
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	11	23	33	43	53	63																																																																		
0°	X																																																																							
45°		X																																																																						
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135°				X																																																																				
180°					X																																																																			
225°						X																																																																		
	12	24	34	44	54	64																																																																		
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	13	21	33	43	51	63																																																																		
45°	X			X																																																																				
90°		X			X																																																																			
135°			X			X																																																																		
	14	22	34	44	52	64																																																																		
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	1	(3)	5	(7)	(11)	(15)																																																																		
315°				X																																																																				
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180°	X					X																																																																		
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	(2)	4	(6)	8	12	16																																																																		
		(L2)		(L3)	(L1)	(N)																																																																		
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	13	23	31	1	3	5																																																																		
90°			X																																																																					
180°	X	X		X	X	X																																																																		
	14	24	32	2	4	6																																																																		

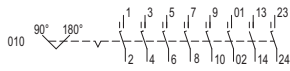
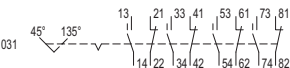
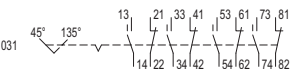
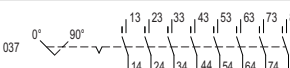
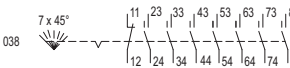
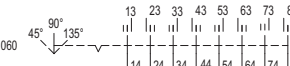
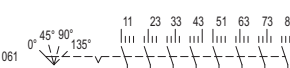
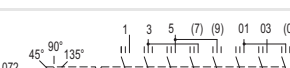
E9

Load and Motor Switch / Control Switch

Series 8006/4



Selection Table

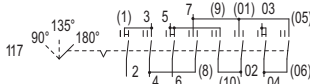
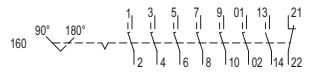
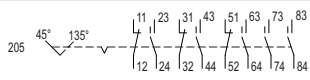
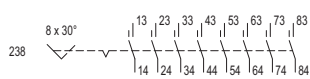
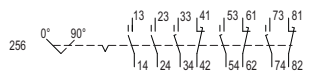
Version	Description	Order number																																																																																										
 14792E00 Load and motor switch 25 A Series 8006/4	8-pole <table><tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td><td>9</td><td>01</td><td>13</td><td>23</td></tr><tr><td>90°</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>180°</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>02</td><td>14</td><td>24</td></tr></table> 010 Switching arrangement no. 010 Safety switch Safety switch Contact material: silver-tin oxide 10075E00		1	3	5	7	9	01	13	23	90°	X	X	X	X	X	X	X	X	180°	X	X	X	X	X	X	X	X		2	4	6	8	10	02	14	24	8006/4-010-00																																																						
	1	3	5	7	9	01	13	23																																																																																				
90°	X	X	X	X	X	X	X	X																																																																																				
180°	X	X	X	X	X	X	X	X																																																																																				
	2	4	6	8	10	02	14	24																																																																																				
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	13	21	33	41	53	61	73	81																																																																																				
45°		X		X		X		X																																																																																				
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	13	21	33	41	53	61	73	81																																																																																				
45°		X		X		X		X																																																																																				
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	13	23	33	43	53	63	73	83																																																																																				
0°		X		X		X		X																																																																																				
90°	X	X	X	X	X	X	X	X																																																																																				
	14	24	34	44	54	64	74	84																																																																																				
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	11	23	33	43	53	63	73	83																																																																																				
0°	X																																																																																											
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E9

Load and Motor Switch / Control Switch

Series 8006/4

Selection Table

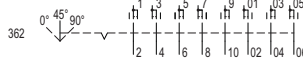
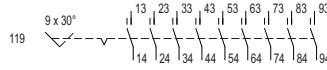
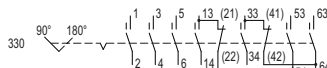
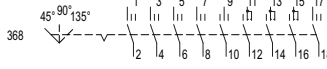
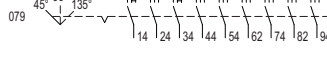
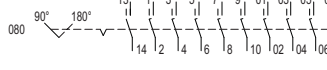
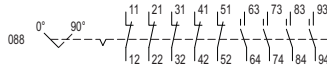
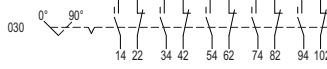
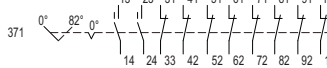
Version	Description	Order number																																																																																																			
 14792E00 Load and motor switch 25 A Series 8006/4	8-pole <table><tr><td></td><td>(1)</td><td>3</td><td>5</td><td>7</td><td>(9)</td><td>(01)</td><td>03</td><td>(05)</td></tr><tr><td>90°</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>135°</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>180°</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td></td><td>2</td><td>4</td><td>6</td><td>(8)</td><td>(10)</td><td>02</td><td>04</td><td>(06)</td></tr></table>  10080E00 Switching arrangement no. 117 Star-delta switch Contact material: silver-tin oxide		(1)	3	5	7	(9)	(01)	03	(05)	90°									135°	X	X	X	X	X	X	X	X	180°	X	X	X	X	X	X	X	X		2	4	6	(8)	(10)	02	04	(06)	8006/4-117-20																																																						
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90°	X	X	X	X	X	X	X	X																																																																																													
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	13	23	33	43	53	63	73	83																																																																																													
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45°	X	X	X	X	X	X	X	X																																																																																													
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Load and Motor Switch / Control Switch

Series 8006/4

STAHL

Selection Table

Version	Description	Order number																																																																																																													
 14792E00 Load and motor switch 25 A Series 8006/4	8-pole <table><tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td><td>9</td><td>01</td><td>03</td><td>05</td></tr><tr><td>0°</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr><tr><td>45°</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>90°</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr></table> 2 4 6 8 10 02 04 06 Switching arrangement no. 362 Contact material: silver-tin oxide 		1	3	5	7	9	01	03	05	0°		X		X		X		X	45°	X		X		X		X		90°	X		X		X		X		14959E00 8006/4-362-00																																																																									
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9-pole <table><tr><td></td><td>13</td><td>23</td><td>33</td><td>43</td><td>53</td><td>63</td><td>73</td><td>83</td><td>93</td></tr><tr><td>0°</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>30°</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>60°</td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>90°</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>120°</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>150°</td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td></tr><tr><td>180°</td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td></tr><tr><td>210°</td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td></tr><tr><td>240°</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr><tr><td>270°</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td></tr></table> 14 24 34 44 54 64 74 84 94 Switching arrangement no. 119 Contact material: silver-tin oxide 		13	23	33	43	53	63	73	83	93	0°										30°	X									60°		X								90°			X							120°				X						150°					X					180°						X				210°							X			240°								X		270°									X	14960E00 8006/4-119-00
	13	23	33	43	53	63	73	83	93																																																																																																						
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	1	3	5	13	(21)	33	(41)	53	63																																																																																																						
90°						X		X																																																																																																							
180°	X	X	X	X	X	X	X	X	X																																																																																																						
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	1	3	5	7	9	11	13	15	17																																																																																																						
0°	X	X	X	X					X																																																																																																						
45°					X	X	X	X																																																																																																							
90°					X	X	X	X																																																																																																							
	10-pole <table><tr><td></td><td>13</td><td>23</td><td>33</td><td>43</td><td>53</td><td>61</td><td>73</td><td>81</td><td>93</td><td>103</td></tr><tr><td>45°</td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td></td></tr><tr><td>90°</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>135°</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td></td></tr></table> 14 24 34 44 54 62 74 82 94 104 Switching arrangement no. 079 Contact material: silver-tin oxide 		13	23	33	43	53	61	73	81	93	103	45°						X		X			90°	X	X	X	X			X		X		135°	X	X	X	X			X		X		14961E00 8006/4-079-00																																																																	
	13	23	33	43	53	61	73	81	93	103																																																																																																					
45°						X		X																																																																																																							
90°	X	X	X	X			X		X																																																																																																						
135°	X	X	X	X			X		X																																																																																																						
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	13	1	3	5	7	9	01	03	05	07																																																																																																					
90°	X	X	X	X	X	X	X	X	X	X																																																																																																					
180°	X	X	X	X	X	X	X	X	X	X																																																																																																					
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	11	21	31	41	51	61	73	83	93	103																																																																																																					
0°	X	X	X	X	X																																																																																																										
90°						X	X	X	X	X																																																																																																					
	12-pole <table><tr><td></td><td>13</td><td>21</td><td>33</td><td>41</td><td>53</td><td>61</td><td>73</td><td>81</td><td>93</td><td>101</td><td>113</td><td>121</td></tr><tr><td>0°</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr><tr><td>90°</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td></tr></table> 14 22 34 42 53 62 74 82 94 102 114 122 Switching arrangement no. 030 Contact material: silver-tin oxide 		13	21	33	41	53	61	73	81	93	101	113	121	0°		X		X		X		X		X		X	90°	X		X		X		X		X		X		14962E00 8006/4-030-00																																																																						
	13	21	33	41	53	61	73	81	93	101	113	121																																																																																																			
0°		X		X		X		X		X		X																																																																																																			
90°	X		X		X		X		X		X																																																																																																				
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	13	23	31	41	51	61	71	81	91	101	111	121																																																																																																			
0°			X	X	X	X	X	X	X	X	X	X																																																																																																			
82°	X	X																																																																																																													

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Load and Motor Switch / Control Switch

Series 8006/4

Explosion Protection

Global (IECEX)

Gas and dust

IECEX PTB 06.0018U
Ex db eb IIC Gb
Ex db eb I Mb

Europe (ATEX)

Gas and dust

PTB 01 ATEX 1021 U
Ex II 2 G Ex db eb IIC Gb
Ex I M2 Ex db eb I Mb

USA (UL)/Canada (UL)

Gas



US: Class I, Zone 1, AEx d e IIC T6 ... T5 (Class I, Div. 2, Groups ABCD)
C: Class I, Zone 1, Ex d e IIC T6 ... T5 Gb (Class I, Div. 2 per CEC J18-150)

T6 (Ta = -50 ... +50 °C)
T5 (Ta = -50 ... +65 °C)
T4 (Ta = -50 ... +70 °C)

USA (FM)/Canada (FM)

Gas



3044997

US: Class I, Zone 1, AEx d e IIC T6 ... T5 (Class I, Div. 2, Groups ABCD)
C: Class I, Zone 1, Ex d e IIC T6 ... T5 Gb (Class I, Div. 2 per CEC J18-150)

T6 (Ta = -50 ... +40 °C)
T5 (Ta = -50 ... +55 °C)

Certifications and certificates

Certificates

IECEX, ATEX, USA (FM, UL)

Technical Data

Version

IECEX / ATEX

Electrical data

Rated insulation voltage

max. 690 V AC

Rated frequency

50 / 60 Hz

Rated operational voltage

max. 690 V AC / 220 V DC (load and motor switch); 250 V DC (control switch)
min. 24 V AC / DC (recommended for contact safety)

Rated impulse withstand voltage

6 kV

Rated operational current

max. 25 A
min. 100 mA (recommended for contact safety: min. one switching operation per week)

Contacts

max. 12 pole / 6 switching levels ^{*)}

^{*)} The switches have two switching chambers per level. Individual switching levels with 1 or 2 contacts each to form a unit provide an optimal solution for individual applications. The contact chambers are being operated by the ratched wheels in a staggered fashion, thus enabling all around switching without interference.

Switching capacity

according to IEC/EN 60947-3; IEC/EN 60947-4-1; IEC/EN 60947-5-1:

AC-3	AC-15	AC-23	DC-1, DC-23	DC-13 (L/R=300 ms)
690 V, 25 A	400 V, 10 A	690 V, 25 A	220 V, 25 A ³⁾	250 V, 1.1 A ¹⁾
			120 V, 25 A ²⁾	125 V, 2.2 A ¹⁾
			60 V, 25 A ¹⁾	60 V, 5.0 A ¹⁾

¹⁾ 1 contact

²⁾ 2 contacts in series

³⁾ 3 contacts in series

Max. rated motor power

690 V, 22 kW	500 V, 15 kW	400 V, 11 kW	240 V, 5.5 kW
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Short-circuit protection

max. 35 A gG

Rated conditional short-circuit current

20 kA

Load and Motor Switch / Control Switch

Series 8006/4



Technical Data

Ambient conditions					
Ambient temperature	16 A: Ta = -60 ... +80 °C				
	25 A: Ta = -60 ... +70 °C				
	Rated operational current max.		Ambient temperature max.		
		+40 °C	+50 °C	+60 °C	+70 °C
	Surface temperature max.				
	16 A (min 2.5 mm ²)	+80 °C	+80 °C	+80 °C	+95 °C
	25 A (min 4.0 mm ²)	+80 °C	+80 °C	+95 °C	+130 °C
					Δ

Technical Data

Version	USA (UL) / Canada (UL)				
Electrical data					
Rated insulation voltage	max. 690 V AC				
Rated operational voltage	max. 600 V AC / 240 V DC min. 24 V AC / DC				
Rated impulse withstand voltage	6 kV				
Rated operational current	max. 25 A (load and motor switch) max. 10 A (control switch) min. 100 mA (recommended for contact safety: min. one switching operation per week)				
Switching capacity	AC	DC			
	600 V, 25 A	240 V, 25 A ³⁾			
		125 V, 25 A ²⁾			
		62.5 V, 25 A ¹⁾			
		1) 1 contact			
		2) 2 contacts in series			
Motor switching capacity		3) 3 contacts in series			
	600 V, 15 HP	240 V, 5 HP			
	480 V, 15 HP	125 V, 3 HP			
	240 V, 7.5 HP				
	208 V, 7.5 HP				
	Single Phase				
	Voltage	227 V	240 V	208 V	120 V
	Current	25 A	25 A	25 A	25 A
	Horse Power	5	3	3	2
	Control Switch Ratings (UL 508): A600 (AC) N300 (DC)				
Short circuit protection	(40 A Class J				

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Load and Motor Switch / Control Switch

Series 8006/4

Technical Data

Version	USA (FM) / Canada (FM)				
Electrical data					
Rated insulation voltage	max. 690 V AC				
Rated operational voltage	max. 600 V AC / 125 V DC min. 24 V AC / DC				
Rated impulse withstand voltage	6 kV				
Rated operational current	T6 max. 40°C up to 4 pole: max. 25 A; Field wiring. Use 75 °C copper conductors. up to 8 pole: max. 15 A; Field wiring. Use 75 °C copper conductors. up to 12 pole: max. 10 A; Field wiring. Use 75 °C copper conductors. T5 max. 55°C up to 4 pole: max. 25 A; Factory wiring. Use 90 °C copper conductors. up to 8 pole: max. 15 A; Factory wiring. Use 90 °C copper conductors. up to 12 pole: max. 10 A; Factory wiring. Use 90 °C copper conductors. max. 25 A (load and motor switch) max. 10 A (control switch) min. 100 mA (recommended for contact safety: min. one switching operation per week)				
Switching capacity	AC	DC			
	600 V, 25 A	125 V, 25 A ²⁾ 62.5 V, 25 A ¹⁾			
		¹⁾ 2 contacts in series ²⁾ 3 contacts in series			
Motor switching capacity	600 V, 15 HP	125 V, 3 HP			
	480 V, 15 HP				
	240 V, 7.5 HP				
	208 V, 7.5 HP				
		Single Phase			
	Voltage	227 V	240 V	208 V	120 V
	Current	25 A	25 A	25 A	25 A
	Horse Power	5	3	3	2
	Control Switch Ratings (UL 508): A600 (AC) N300 (DC)				
Short circuit protection	(40 A Class J				

Technical Data

Version	General
Electrical data	
Short-circuit strength	20 kA
Contacts	max. 12 pole / 6 switching levels *)
	*) The switches have two switching chambers per level. Individual switching levels with 1 or 2 contacts each to form a unit provide an optimal solution for individual applications. The contact chambers are being operated by the ratched wheels in a staggered fashion, thus enabling all around switching without interference.
Service life	mechanical: 200,000 operating cycles electric: 20,000 operating cycles
Mechanical data	
Material	
Enclosure	Epoxy resin
Contacts	Silver-tin oxide, silver-tin oxide gold plated

Load and Motor Switch / Control Switch

Series 8006/4



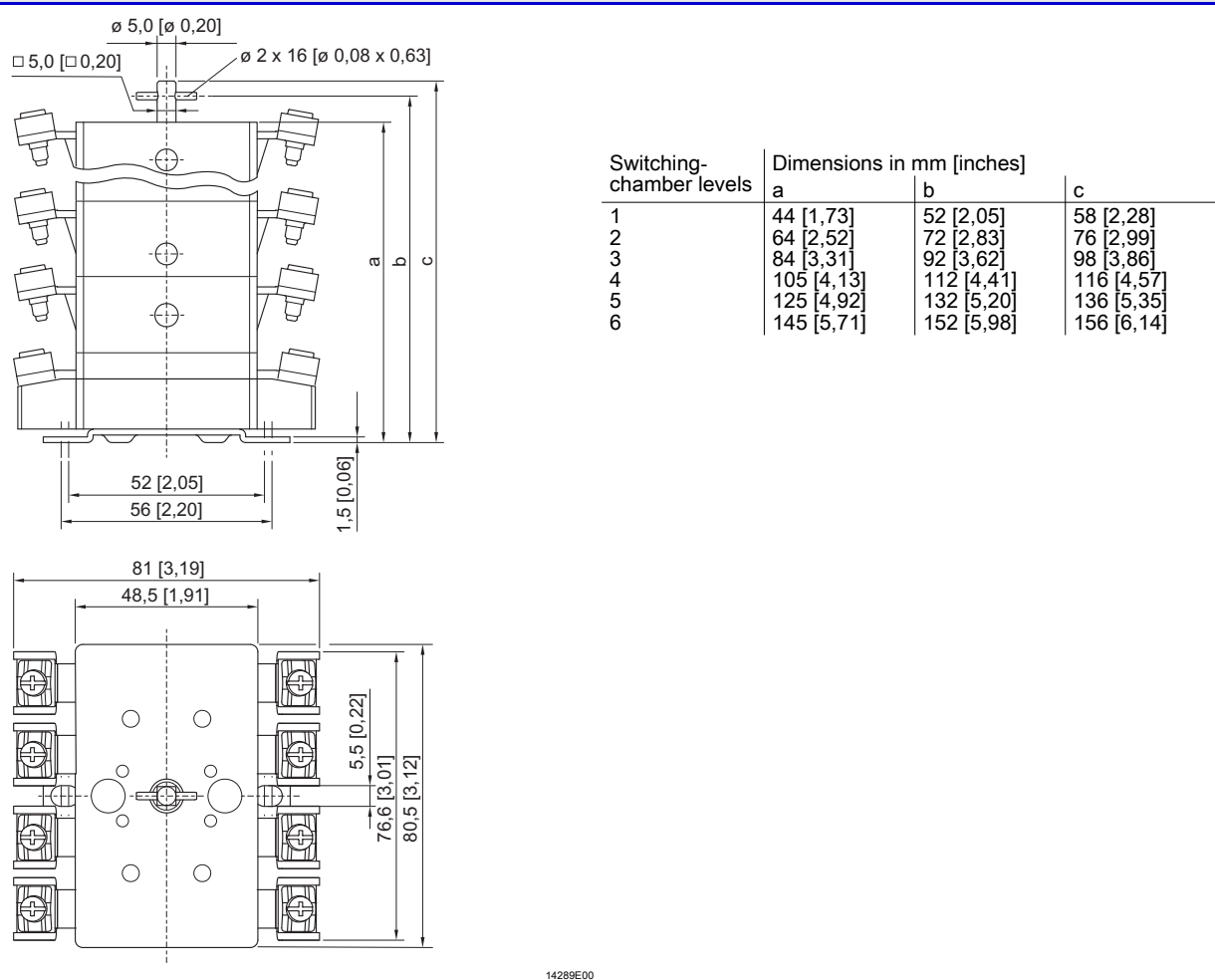
Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
Rotary actuator	 05529E00	handle: black protective collar: black Ø 64 mm padlockable labels have to be ordered separately	8602A0731-1-ss 155338	0.062
		handle: red protective collar: yellow Ø 64 mm three times padlockable in OFF-position labels have to be ordered separately	8602A0730-1-rg 155304	0.063
Symbol discs for rotary actuator		Text 0/OFF - I/ON	155750	0.001
		Text 0/OFF • I/ON	155856	0.001
		Text 0 - Betrieb - I	155762	0.001
		Text 0 - I - II	155772	0.001
		Text I - 0 - II	155785	0.001
		label printed acc. to specification, please specify marking	155870	0.002
		plain	155871	0.001
Ex i cover	 14963E00	to connect intrinsically safe circuits (2 pieces)	213610	0.024
IP20 cover	 14705E00	1 piece An IP20 cover is required per contact.	204108	0.003

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Load and Motor Switch / Control Switch Series 8006/4

Dimensional Drawings (All Dimensions mm [inches]) - Subject to Alterations



Load and motor switches 25 A Series 8006/4

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.