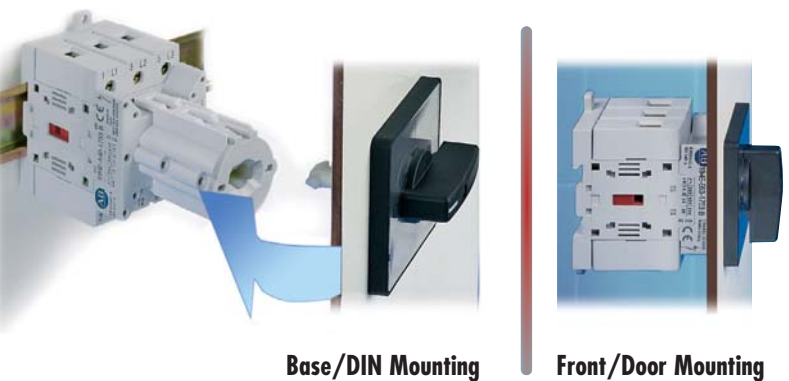


## CONTROL AND LOAD SWITCHES 194L

## MOTOR-RATED CAM SWITCHES

Bulletin 194L Motor Rated Cam Switches are available in many configurations. These switches are designed for your application's most demanding control circuit and motor control needs. The 194L switches are offered in 12 A to 40 A load sizes. Switches may be configured for up to 16 inductive load-rated circuits. Handle operation may be specified for up to 12 positions, with 30, 60, 45 or 90 degrees of positional rotation. Maintained and some spring return functions may be specified.

Customer specific electrical schemes on request. See form on back page.



## INSTALLATION AND PANEL FITTINGS

The new 194E Switch disconnectors can be installed in every cabinet. Shaft extensions enable the operation from the front regardless of cabinet depth.

**ROBUST, RELIABLE AND COST-EFFECTIVE**

The modular structure, easy handling, and high reliability of the Bulletin 194 switches match to the successful Modular Control System MCS.

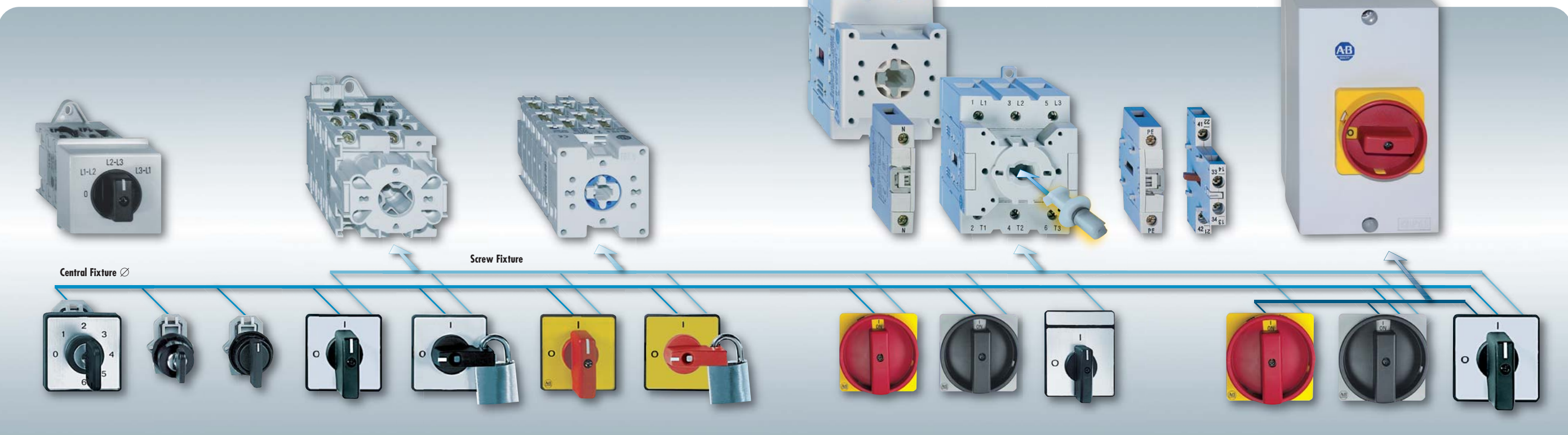
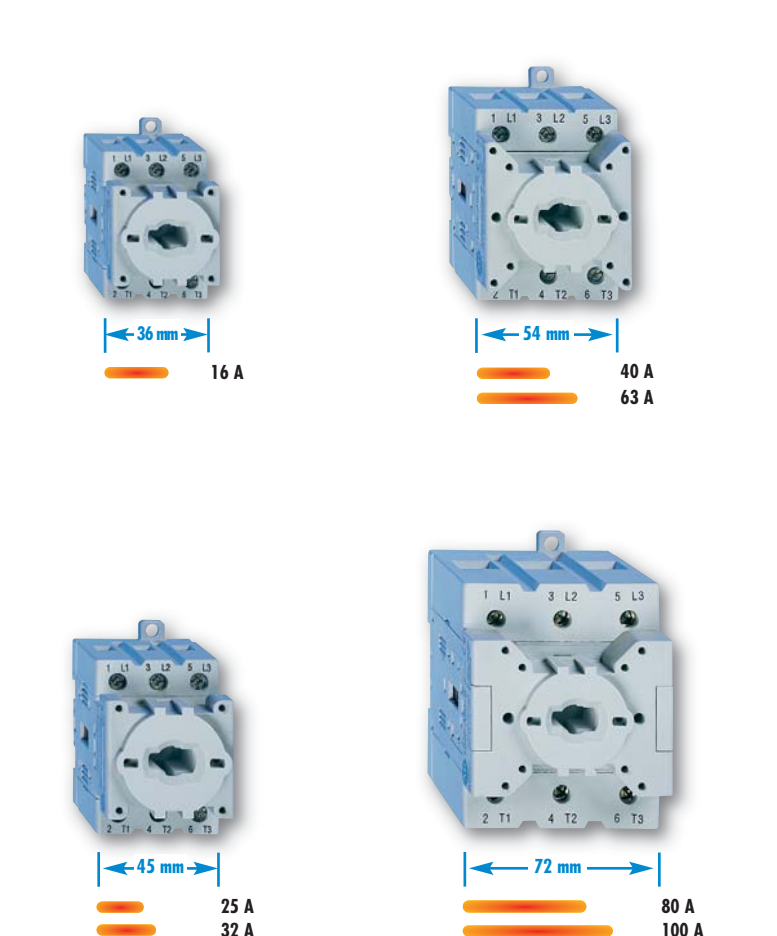
- Easy product selection
- Simple maintenance
- Designed for the world's markets, conform to all standards and suitable for all applications
- Finger-proof switch design (IP20)
- Splash and dust-proof mechanisms and casings (IP65)
- High switching capacity AC-23 A
- Simple fitting and removal of accessories
- Functional, pleasing appearance
- Sturdy construction for heavy-duty industrial use
- Modular, long-lasting system subject to ongoing development and innovation.

## TIME-SAVING TERMINATIONS

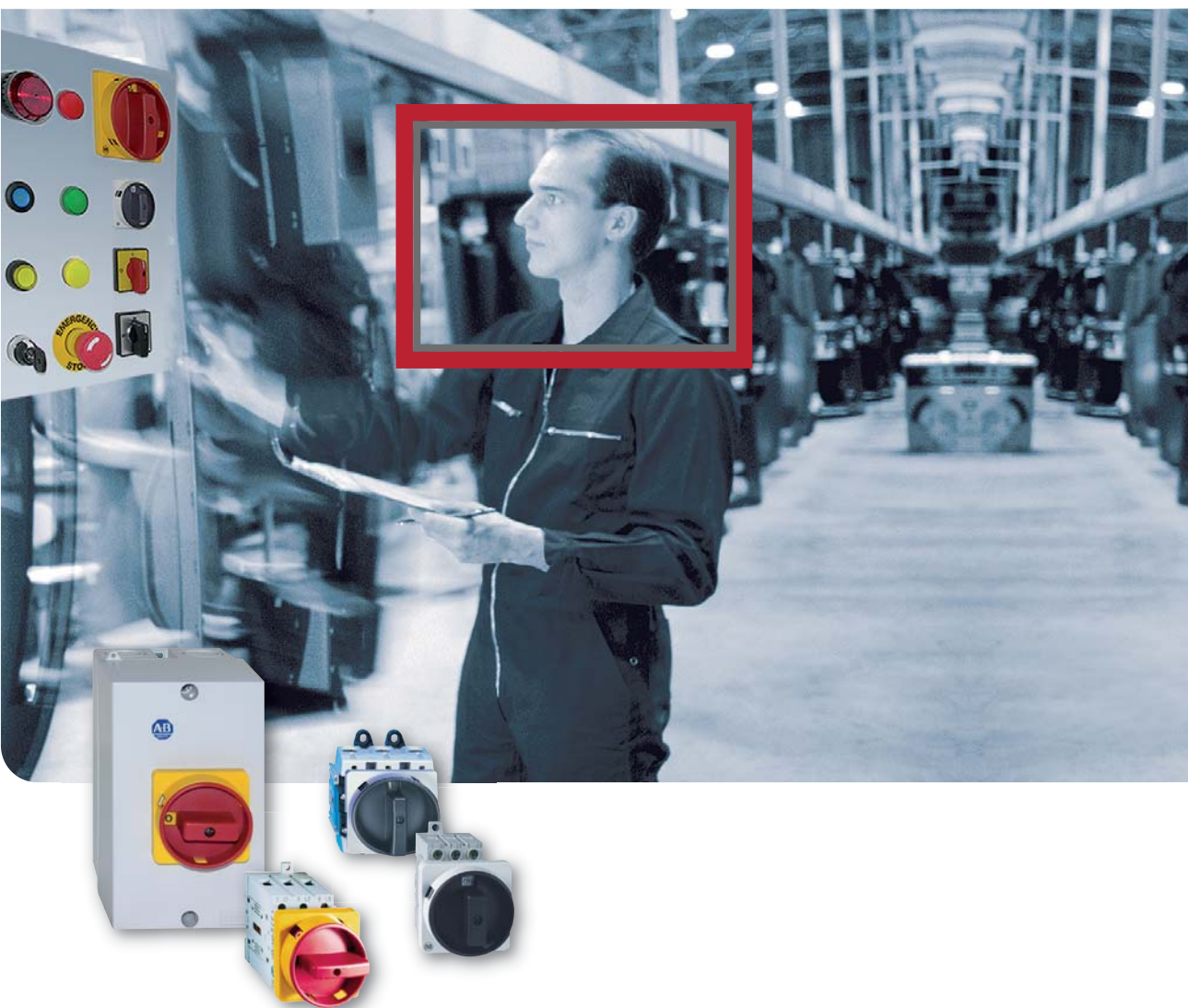
- Large clamping space and cable inlets
- Universal terminal screws for – and + screwdrivers
- Clear terminal markings
- Terminals open and ready for connection on delivery

## LOAD SWITCHES 194E

**SAFE SEPARATION UP TO 315 A**



LISTEN.  
THINK.  
SOLVE.®



## THE VERSATILE SWITCH LINE

WIDE SELECTION OF FUNCTIONS, TOUGH AND RELIABLE,  
FAST MOUNTING

CONTROL AND LOAD SWITCHES 194L AND 194E

## SPECIAL SWITCHES

### SWITCH SPECIFICATIONS FOR SPECIAL VERSIONS OF BULLETIN194L SWITCHES

[illegible]

**www.rockwellautomation.com**

**Power, Control and Information Solutions Headquarters**

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444




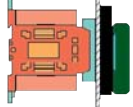

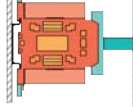

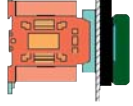
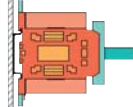
Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640  
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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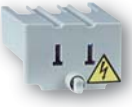

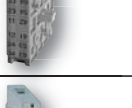



## LOAD SWITCHES 194E FRONT AND BASE MOUNTING

	Current Rating AC-21A/ 690V [A]	Power Rating AC-23A/ 400V [kW]	 With Type N Actuator	 With Type G Actuator	 With Type A Actuator
<b>194E 16...315 A</b>					
<b>Front/Door Mounting 3 Poles</b>					
	16	7.5	194E-E16-1753-4N	194E-E16-1753-4G	194E-E16-1753-4A
	25	11	194E-E25-1753-6N	194E-E25-1753-6G	194E-E25-1753-6A
	32	15	194E-E32-1753-6N	194E-E32-1753-6G	194E-E32-1753-6A
	40	22	194E-E40-1753-6N	194E-E40-1753-6G	194E-E40-1753-6A
	63	30	194E-E63-1753-6N	194E-E63-1753-6G	194E-E63-1753-6A
	80	37	194E-E80-1753-6N	194E-E80-1753-6G	194E-E80-1753-6A
	100	55	194E-E100-1753-6N	194E-E100-1753-6G	194E-E100-1753-6A
	125	45	194E-E125-1753 + 194E-HE8N-175	194E-E125-1753 + 194E-HE8G-175	194E-E125-1753 + 194E-HE8A-175
	160	55	194E-E160-1753 + 194E-HE8N-175	194E-E160-1753 + 194E-HE8G-175	194E-E160-1753 + 194E-HE8A-175
	250	90	194E-E250-1753 + 194E-HE8N-175	194E-E250-1753 + 194E-HE8G-175	194E-E250-1753 + 194E-HE8A-175
	315	110	194E-E315-1753 + 194E-HE8N-175	194E-E315-1753 + 194E-HE8G-175	194E-E315-1753 + 194E-HE8A-175
<b>Base/DIN Mounting 3 Poles</b>					
	16	7.5	194E-A16-1753-4N	194E-A16-1753-4G	194E-A16-1753-4A
	25	11	194E-A25-1753-6N	194E-A25-1753-6G	194E-A25-1753-6A
	32	15	194E-A32-1753-6N	194E-A32-1753-6G	194E-A32-1753-6A
	40	22	194E-A40-1753-6N	194E-A40-1753-6G	194E-A40-1753-6A
	63	30	194E-A63-1753-6N	194E-A63-1753-6G	194E-A63-1753-6A
	80	37	194E-A80-1753-6N	194E-A80-1753-6G	194E-A80-1753-6A
	100	55	194E-A100-1753-6N	194E-A100-1753-6G	194E-A100-1753-6A
	125	45	194E-A125-1753 + 194E-HE8N-175	194E-A125-1753 + 194E-HE8G-175	194E-A125-1753 + 194E-HE8A-175
	160	55	194E-A160-1753 + 194E-HE8N-175	194E-A160-1753 + 194E-HE8G-175	194E-A160-1753 + 194E-HE8A-175
	250	90	194E-A250-1753 + 194E-HE8N-175	194E-A250-1753 + 194E-HE8G-175	194E-A250-1753 + 194E-HE8A-175
	315	110	194E-A315-1753 + 194E-HE8N-175	194E-A315-1753 + 194E-HE8G-175	194E-A315-1753 + 194E-HE8A-175
<b>Front/Door Mounting 4 Poles</b>					
	125	45	194E-E125-1754 + 194E-HE8N-175	194E-E125-1754 + 194E-HE8G-175	194E-E125-1754 + 194E-HE8A-175
	160	55	194E-E160-1754 + 194E-HE8N-175	194E-E160-1754 + 194E-HE8G-175	194E-E160-1754 + 194E-HE8A-175
	250	90	194E-E250-1754 + 194E-HE8N-175	194E-E250-1754 + 194E-HE8G-175	194E-E250-1754 + 194E-HE8A-175
	315	110	194E-E315-1754 + 194E-HE8N-175	194E-E315-1754 + 194E-HE8G-175	194E-E315-1754 + 194E-HE8A-175
<b>Base/DIN Mounting 4 Poles</b>					
	125	45	194E-A125-1754 + 194E-HE8N-175	194E-A125-1754 + 194E-HE8G-175	194E-A125-1754 + 194E-HE8A-175
	160	55	194E-A160-1754 + 194E-HE8N-175	194E-A160-1754 + 194E-HE8G-175	194E-A160-1754 + 194E-HE8A-175
	250	90	194E-A250-1754 + 194E-HE8N-175	194E-A250-1754 + 194E-HE8G-175	194E-A250-1754 + 194E-HE8A-175
	315	110	194E-A315-1754 + 194E-HE8N-175	194E-A315-1754 + 194E-HE8G-175	194E-A315-1754 + 194E-HE8A-175




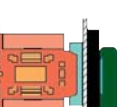
## LOAD SWITCHES 194E IN THERMOPLASTIC ENCLOSURE

	Current Rating AC-21A/ 690V [A]	Power Rating AC-23A/ 400V [kW]	 With Type N Actuator	 With Type G Actuator	 With Type A Actuator
<b>194E 16...100 A</b>					
<b>3 Poles</b>					
	16	7.5	194E-Y16M-1753-4N	194E-Y16M-1753-4G	194E-Y16M-1753-4A
	25	11	194E-Y25M-1753-6N	194E-Y25M-1753-6G	194E-Y25M-1753-6A
	32	15	194E-Y32M-1753-6N	194E-Y32M-1753-6G	194E-Y32M-1753-6A
	40	22	194E-Y40M-1753-6N	194E-Y40M-1753-6G	194E-Y40M-1753-6A
	63	30	194E-Y63M-1753-6N	194E-Y63M-1753-6G	194E-Y63M-1753-6A
	80	37	194E-Y80M-1753-6N	194E-Y80M-1753-6G	194E-Y80M-1753-6A
	100	45	194E-Y100M-1753-6N	194E-Y100M-1753-6G	194E-Y100M-1753-6A
<b>6 Poles</b>					
	16	7.5	194E-Y16M-1756-6N	194E-Y16M-1756-6G	194E-Y16M-1756-6A
	25	11	194E-Y25M-1756-6N	194E-Y25M-1756-6G	194E-Y25M-1756-6A
	32	15	194E-Y32M-1756-6N	194E-Y32M-1756-6G	194E-Y32M-1756-6A
	40	22	194E-Y40M-1756-6N	194E-Y40M-1756-6G	194E-Y40M-1756-6A
	63	30	194E-Y63M-1756-6N	194E-Y63M-1756-6G	194E-Y63M-1756-6A



## ACCESSORIES 194E

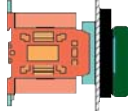
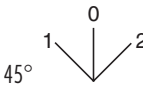
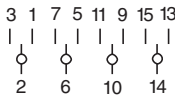

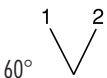
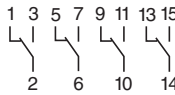

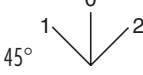
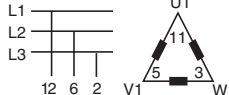

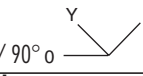
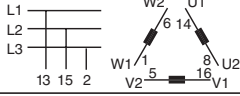

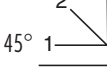
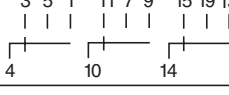

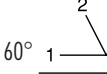
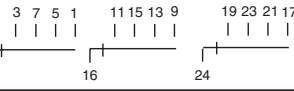

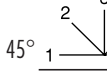
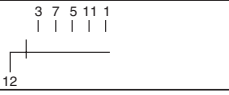

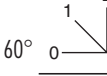
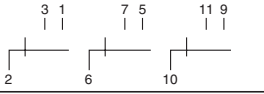
	Package Quantity	For use with	Cat. No.
<b>Terminal Cover 3 Poles</b>			
	2	194E-16 194E-25/32 194E-40/63 194E-80/100	194E-16-C3 194E-25-C3 194E-40-C3 194E-80-C3
<b>Terminal Cover 1 Pole</b>			
	2	194E-16 194E-25/32 194E-40/63 194E-80/100	194E-16-C1 194E-25-C1 194E-40-C1 194E-80-C1
<b>Terminal Cover (1 Pole)</b>			
	1	194E-125...160 194E-250...315	194E-AE125-C1 194E-AE250-C1
<b>Auxiliary Contact Blocks</b>			
1 N.C. + 1 N.O. left- or right-side mounting	1	194E-E16...100	194E-E-P11
1 N.C. + 2 N.O. left- or right-side mounting	1	194E-A16...100	194E-A-P11
<b>Auxiliary Contact Blocks</b>			
1 N.C. + 2 N.O. left- or right-side mounting	1	194E-A125...160 194E-A250...315	194E-AB-P21-160 194E-AB-P21-315
1 N.C. + 2 N.O. left- or right-side mounting	1	194E-E125...160 194E-E250...315	194E-EF-P21-160 194E-EF-P21-315
<b>Fourth Pole</b>			
1 early-make contact	1	194E-A16 194E-A25 194E-A32 194E-A40 194E-A63 194E-A80 194E-A100	194E-A16-NP 194E-A25-NP 194E-A32-NP 194E-A40-NP 194E-A63NP 194E-A80-NP 194E-A100-NP
<b>Thermal covers 3/4 Poles</b>			
	10	194E-A12...40 194E-A16...100	194L-G3394 194L-G3394
<b>Thermoplastic Enclosure</b>			
	1	194E-A12...25 194E-A32/40 194E-A25/32 194E-A12/6 194E-A20/25 194E-A32/40 194E-A25/32 194E-A40/63 194E-A80/00	194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M
<b>Mechanical coupling for 6 Poles Switches</b>			
	1	194E-16 194E-25/32 194E-40/63 194E-80/100	194E-G3621 194E-G3660 194E-G3661 194E-G3662

## CONTROL AND LOAD SWITCHES 194L

	Current Rating AC-21A 690V [A]	Poles	Cat.No.	 With Type N Actuator	 With Type G Actuator	 With Type A Actuator
<b>194L 12...40 A</b>						
<b>ON-OFF Switches</b>						
<b>Front/Door Mounting</b>						
	12	3	194L-E12-1751 194L-E12-1752 194L-E12-1753 194L-E12-1754 194L-E12-1756 194L-E16-1751 194L-E16-1752 194L-E16-1753 194L-E16-1754 194L-E16-1756	+ 194L-HE4N-175	+ 194L-HE4G-175	+ 194L-HE4A-175
	16	3	194L-E16-1751 194L-E16-1752 194L-E16-1753 194L-E16-1754 194L-E16-1756	+ 194L-HE4N-175	+ 194L-HE4G-175	+ 194L-HE4A-175
	20	3	194L-E20-1751 194L-E20-1752 194L-E20-1753 194L-E20-1754 194L-E20-1756	+ 194L-HE4N-175	+ 194L-HE4G-175	+ 194L-HE4A-175
	25	3	194L-E25-1751 194L-E25-1752 194L-E25-1753 194L-E25-1754 194L-E25-1756	+ 194L-HE4N-175	+ 194L-HE4G-175	+ 194L-HE4A-175
	32	3	194L-E32-1751 194L-E32-1752 194L-E32-1753 194L-E32-1754 194L-E32-1756	+ 194L-HE4N-175	+ 194L-HE4G-175	+ 194L-HE4A-175
	40	3	194L-E40-1751 194L-E40-1752 194L-E40-1753 194L-E40-1754 194L-E40-1756	+ 194L-HE4N-175	+ 194L-HE4G-175	+ 194L-HE4A-175

## ACCESSORIES 194L AND 194E

	Package Quantity	For use with	Cat. No.
<b>Metal Shaft Extensions</b>			
Provision for locking in position "0" with padlock	1	Length 110...235 mm Length 230...350 mm	194L-G3393 194L-G3394
<b>Shaft Extensions (and enclosure extensions)</b>			
(Max. 4 pieces), 1 piece. length = 24 mm	10	194L-A-12...40 194E-A-16...100	194L-G2853 194L-G2853
<b>Thermal covers 3/4 Poles</b>			
	10	194L-A-12...40 194E-A-16...100	194L-G3394 194L-G3394
<b>Thermoplastic Enclosure</b>			
	1	194E-A12...25 194E-A32/40 194E-A25/32 194E-A12/6 194E-A20/25 194E-A32/40 194E-A25/32 194E-A40/63 194E-A80/00	194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M 194L-G3572M

Mounting Type	Switching Angle	Circuit Diagram Function	Current Rating AC-21A 690V [A]	Poles	Cat.No	Cat.No.	With Type A Actuator
194L 12...40 A							
Changeover Switches							
Front/Door Mounting							
				12	1 194L-E12-3251 2 194L-E12-3252 3 194L-E12-3253 4 194L-E12-3254	+ 194L-HE4A-325	
				16	1 194L-E16-3251 2 194L-E16-3252 3 194L-E16-3253 4 194L-E16-3254		
				20	1 194L-E20-3251 2 194L-E20-3252 3 194L-E20-3253 4 194L-E20-3254		
				25	1 194L-E25-3251 2 194L-E25-3252 3 194L-E25-3253 4 194L-E25-3254		
				32	3 194L-E32-3253 4 194L-E32-3254	+ 194L-HE6A-325	
				40	3 194L-E40-3253 4 194L-E40-3254		
Changeover Switches							
				12	1 194L-E12-2501 2 194L-E12-2502 3 194L-E12-2503	+ 194L-HE4A-250	
				16	1 194L-E16-2501 2 194L-E16-2502 3 194L-E16-2503		
				20	1 194L-E20-2501 2 194L-E20-2502 3 194L-E20-2502		
				25	1 194L-E25-2501 2 194L-E25-2502 3 194L-E25-2503		
Reversing Switches							
				12	3 194L-E12-7303	+ 194L-HE4A-325	
				16	3 194L-E16-7303		
				20	3 194L-E20-7303	+ 194L-HE6A-325	
				25	3 194L-E25-7303		
				40	3 194L-E40-7303		
Star Delta Switches							
				16	3 194L-E16-7323	+ 194L-HE4A-732	
				25	3 194L-E25-7323	+ 194L-HE6A-732	
				40	3 194L-E40-7323		
Step Switches							
				12	1 194L-E12-4251 2 194L-E12-4252 3 194L-E12-4253	+ 194L-HE4A-425	
				12	1 194L-E12-4511 2 194L-E12-4512 3 194L-E12-4513		
				12	1 194L-E12-4271	+ 194L-HE4A-427	
				12	1 194L-E12-5251 2 194L-E12-5252 3 194L-E12-5253	+ 194L-HE4A-525	
				12			
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