Contact sequence	Front plate no.	Main contacts Pole	Auxiliary contacts N/O	Auxiliary contacts N/O	Auxiliary contacts N/C	Max. motor rating AC-23 A, 400/415 V, 50/60 Hz 400 V P kW	Rated uninterrupted current I_u A	As an emergency switching off/ emergency stop device[1] Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Without emergency switching off/ emergency stop function[2] Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Notes
	FS 908													
Safety switches with warning label														
		3	0	0	13	25		**P1-25/I2-SI**[3] 207308		1 Off	**P1-25/I2-SI-SW**[3] 207309		1 Off	
					15	32		**P1-32/I2-SI**[3] 207329			**P1-32/I2-SI-SW**[3] 207330			
					37	63		**P3-63/I4-SI**[3] 207361			**P3-63/I4-SI-SW**[3] 207362			
					50	100		**P3-100/I5-SI**[3] 207386			**P3-100/I5-SI-SW**[3] 207387			
		3	1	1	13	25		**P1-25/I2-SI/HI11**[3] 207310			**P1-25/I2-SI/HI11-SW**[3] 207311			
					15	32		**P1-32/I2-SI/HI11**[3] 207331			**P1-32/I2-SI/HI11-SW**[3] 207332			
					37	63		**P3-63/I4-SI/HI11**[3] 207363			**P3-63/I4-SI/HI11-SW**[3] 207364			
					50	100		**P3-100/I5-SI/HI11**[3] 207388			**P3-100/I5-SI/HI11-SW**[3] 207389			
		3 + N	0	0	13	25		**P1-25/I2-SI/N**[3] 207312			**P1-25/I2-SI/N-SW**[3] 207313			
					15	32		**P1-32/I2-SI/N**[3] 207333			**P1-32/I2-SI/N-SW**[3] 207334			
					37	63		**P3-63/I4-SI/N**[3] 207365			**P3-63/I4-SI/N-SW**[3] 207366			
					50	100		**P3-100/I5-SI/N**[3] 207390			**P3-100/I5-SI/N-SW**[3] 207391			
		6	0	0	22	63		**T5B-3-8342/I4-SI**[4] 207250			**T5B-3-8342/I4-SI-SW**[4] 207251			
		6	0	0	30	100		**T5-3-8342/I5-SI**[4] 207447			**T5-3-8342/I5-SI-SW**[4] 207448			
		6	1	1	22	63		**T5B-4-15682/I4-SI**[4] 207254			**T5B-4-15682/I4-SI-SW**[4] 207255			
		6	1	1	30	100		**T5-4-15682/I5-SI**[4] 207285			**T5-4-15682/I5-SI-SW**[4] 207286			
		6	2	0	22	63		**T5B-4-8903/I4-SI**[4] 207258			**T5B-4-8903/I4-SI-SW**[4] 207259			
		6	2	0	30	100		**T5-4-8903/I5-SI**[4] 207289			**T5-4-8903/I5-SI-SW**[4] 207290			

Notes

[1] Surface mounting IP65 : With red rotary handle and yellow locking collar with auxiliary contacts , lockable in position 0 with cover interlock, according to IEC/EN 60204-1, VDE 0113 Part 1

[2] Surface mounting IP65 : With black rotary handle and locking collar with auxiliary contacts Lockable in position 0 with cover interlock

Engineering

Maintenance, repair and safety switches all have the same electrical function. They are designed to safely isolate electrical installations (loads) from mains power during maintenance and repair work and to ensure that a hazard does not arise which endangers personnel, machinery and production materials.

A safety switch is an additional enclosed main switch = isolator dedicated to an individual electrical load and mounted in the immediate vicinity of the motor or the electrical load.

This is particularly important if there is any danger of the main switch being inadvertently operated.

Application

By using his padlock (up to 3), each fitter/electrician involved can protect themselves by preventing unauthorized personnel from switching the unit on. Maintenance/manual override switches are simply additional enclosed main switches with a padlocking feature.

Enclosed main switch with padlocking facility

Features

- Safety switches are always housed in insulated enclosures and have an inscription saying "Safety Switch" on a bright orange label.
- Switches to be used for emergency stop switching have a red handle and yellow locking collar in accordance with STOP category 0 (as per IEC/EN 60204/VDE 0113).
- If the switch is not approved for emergency stop switching, both parts will be black ("SW" part no. suffix).
- The cover and handle are interlocked by fitting a padlock.

Selection

The switches must be selected according to the following performance specifications:

1) According to motor switching capacity, when the switch is fitted in such a way that the operator may use it for operational ON and OFF switching.

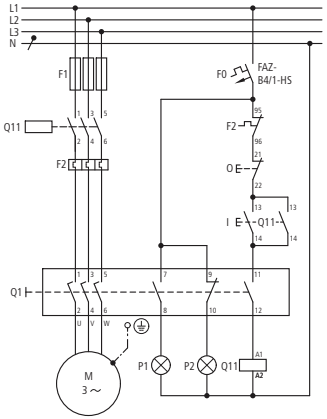
2) The rating data always applies to 3 poles. When the motor rating is divided between 6 poles, such as for star-delta switching, a 6 pole switch can be used to control 1.73 times the rated power.

3) If the switch has a load-shedding Contact (LA), you can select the appropriate switch according to the uninterrupted current. The load-shedding contact is an auxiliary contact, which is closed in the ON position and opens early when switching off, so that a contactor located in the circuit takes over the switching duty and the maintenance/safety switch operates at zero load. When switching on, the load-shedding contact closes later than or at the same time as the main contacts. With P and T switches this is the N/O auxiliary contact.

4)The "ON" position can be locked with a padlock (by altering the handle).

This is not permissible for switches with a red/yellow handle.

Safety switch with load shedding and signaling



Contact sequence	Front plate no.	Main contacts Pole	Max. operating power AC-23A 400/415 V 50/60 Hz	Rated uninterrupted current	Flush mounting Front IP65			Center mounting Front IP65			Surface mounting IP65 totally insulated			Distribution board mounting Front IP30			Rear mounting Front IP65		
		N/O I	400 V P kW	I_u A	**Part no.** Article no.	**Price** See price list	Std. pack	**Part no.** Article no.	**Price** See price list	Std. pack	**Part no.** Article no.	**Price** See price list	Std. pack	**Part no.** Article no.	**Price** See price list	Std. pack	**Part no.** Article no.	**Price** See price list	Std. pack
Changeover switches																			
With black thumb-grip and front plate without emergency switching off/emergency stop function																			
	FS 684	1	6.5	20	**T0-1-8210/E**[1] 012742		1 Off	**T0-1-8210/EZ**[1] 048337		1 Off	**T0-1-8210/I1** 207076		1 Off	**T0-1-8210/IVS**[2] 074440		1 Off	**T0-1-8210/Z**[1] 019862		1 Off
			13	32	**T3-1-8210/E**[1] 054718			**T3-1-8210/EZ**[1] 003072			**T3-1-8210/I2**[3] 207169						**T3-1-8210/Z**[1] 057091		
			22	63	**T5B-1-8210/E**[5] 094261						**T5B-1-8210/I4**[4] 207432						**T5B-1-8210/Z**[5] 094258		
	FS 4011	1	6.5	20				**T0-1-8214/EZ**[1] 076815									**T0-1-8214/Z**[1] 050720		
	FS 684	2	6.5	20	**T0-2-8211/E**[1] 022234			**T0-2-8211/EZ**[1] 053083			**T0-2-8211/I1** 207102		1 Off	**T0-2-8211/IVS**[2] 076813			**T0-2-8211/Z**[1] 029354		
			13	32	**T3-2-8211/E**[1] 061837			**T3-2-8211/EZ**[1] 003075			**T3-2-8211/I2**[3] 207178						**T3-2-8211/Z**[1] 064210		
			22	63	**T5B-2-8211/E**[5] 093094						**T5B-2-8211/I4**[4] 207220						**T5B-2-8211/Z**[5] 093082		
		3	6.5	20	**T0-3-8212/E**[1] 029353			**T0-3-8212/EZ**[1] 057829			**T0-3-8212/I1** 207123		1 Off	**T0-3-8212/IVS**[2] 079186			**T0-3-8212/Z**[1] 036473		
			13	32	**T3-3-8212/E**[1] 068956			**T3-3-8212/EZ**[1] 003080			**T3-3-8212/I2**[3] 207183						**T3-3-8212/Z**[1] 071329		
			22	63	**T5B-3-8212/E**[5] 092386						**T5B-3-8212/I4**[4] 207223						**T5B-3-8212/Z**[5] 092383		
			30	100	**T5-3-8212/E** 096466		1 Off				**T5-3-8212/I5** 207266		1 Off				**T5-3-8212/Z** 096464		1 Off
		3	55	160	**T6-3-8212/E/HI12** 214781		1 Off												
		3	132	315	**T8-3-8212/E/HI12** 214782		1 Off												

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –

3)

Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

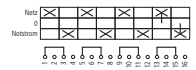
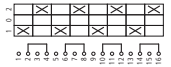
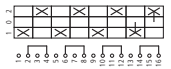
4)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type: –

5)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 1

HPL04034EN

Contact sequence	Front plate no.	Main contacts Pole N/O	Max. operating power AC-23A 400/415 V 50/60 Hz 400 V P kW	Rated uninterrupted current I_u A	Flush mounting Front IP65 **Part no.** Article no.	**Price** See price list	Std. pack
Changeover switches							
With black thumb-grip and front plate Without emergency switching off/emergency stop function							
	FS 161629	4	13	32	**T3-4-8902/E**[1] 215222		1 Off
			22	63	**T5B-4-8902/E**[5] 207430		
			30	100	**T5-4-8902/E** 207418		
	FS 684	4	6.5	20	**T0-4-8213/E**[1] 031726		
			13	32	**T3-4-8213/E**[1] 076075		
			22	63	**T5B-4-8213/E**[5] 092112		
			30	100	**T5-4-8213/E** 096014		
	FS 953	4	6.5	20	**T0-4-8294/E**[1] 010371		
			13	32	**T3-4-8294/E**[1] 002513		
			22	63	**T5B-4-8294/E**[5] 092084		
			30	100	**T5-4-8294/E** 095986		1 Off

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –

HPL04035EN

Center mounting Front IP65 **Part no.** Article no.	**Price** See price list	Std. pack	Surface mounting IP65 totally insulated **Part no.** Article no.	**Price** See price list	Std. pack	Distribution board mounting Front IP30 **Part no.** Article no.	**Price** See price list	Std. pack	Rear mounting Front IP65 **Part no.** Article no.	**Price** See price list	Std. pack
T3-4-8902/EZ[1] 215223		1 Off	**T3-4-8902/I2**[3] 215224		1 Off				**T3-4-8902/Z**[1] 215225		1 Off
			T5B-4-8902/I4[4] 207237		1 Off				**T5B-4-8902/Z**[5] 207431		1 Off
			T5-4-8902/I5 207214		1 Off				**T5-4-8902/Z** 207419		1 Off
T0-4-8213/EZ[1] 062575		1 Off	**T0-4-8213/I1** 207136		1 Off	**T0-4-8213/IVS**[2] 081559		1 Off	**T0-4-8213/Z**[1] 043592		1 Off
T3-4-8213/EZ[1] 003079		1 Off	**T3-4-8213/I2**[3] 207191		1 Off				**T3-4-8213/Z**[1] 078448		
			T5B-4-8213/I4[4] 207230		1 Off				**T5B-4-8213/Z**[5] 092109		
			T5-4-8213/I5 207270		1 Off				**T5-4-8213/Z** 096012		1 Off
T0-4-8294/EZ[1] 072069		1 Off	**T0-4-8294/I1** 207138		1 Off	**T0-4-8294/IVS**[2] 043594		1 Off			
			T3-4-8294/I2[3] 207193		1 Off				**T3-4-8294/Z**[1] 004886		1 Off
			T5B-4-8294/I4[4] 207232		1 Off				**T5B-4-8294/Z**[5] 092081		1 Off
			T5-4-8294/I5 207433		1 Off				**T5-4-8294/Z** 095984		1 Off

3)

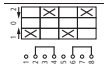
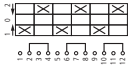
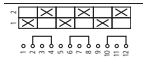
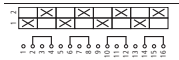
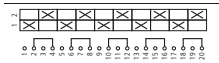
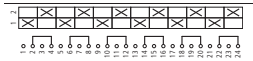
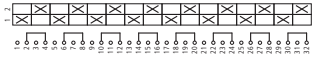
Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

4)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type: –

5)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 1

Contact sequence	Front plate no.	Main contacts Pole N/O	Max. motor rating AC-23A 400/415 V 50/60 Hz 400 V P kW	Rated uninterrupted current I_u A	Flush mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting Front IP65 Part no. Article no.	Price See price list	Std. pack
Changeover switches with 0 position																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
with momentary from both directions to 0																			
	 FS 4011	1	6.5	20	**T0-1-8214/E**[2] 019863		1 Off	**T0-1-8214/EZ** 076815			**T0-1-8214/I1** 207077		1 Off	**T0-1-8214/IVS**[1] 045967		1 Off	**T0-1-8214/Z** 050720		
		1	13	32	**T3-1-8214/E**[2] 009632														
		2	6.5	20	**T0-2-8215/E**[2] 022236			**T0-2-8215/EZ**[2] 081561		1 Off	**T0-2-8215/I1** 207103		1 Off	**T0-2-8215/IVS**[1] 048340		1 Off			
		2	13	32	**T3-2-8215/E**[2] 016751						**T3-2-8215/I2**[3] 207179		1 Off						
		3	6.5	20	**T0-3-8216/E**[2] 024609			**T0-3-8216/EZ**[2] 086307		1 Off	**T0-3-8216/I1** 207434		1 Off	**T0-3-8216/IVS**[1] 050713		1 Off	**T0-3-8216/Z**[2] 055466		1 Off
		3	13	32	**T3-3-8216/E**[2] 023870						**T3-3-8216/I2**[3] 207184		1 Off						
Changeover switches without 0 position																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
Two-way switch																			
	 FS 943	1	6.5	20	**T0-1-8220/E**[2] 031728		1 Off	**T0-1-8220/EZ**[2] 095799		1 Off	**T0-1-8220/I1** 207078		1 Off	**T0-1-8220/IVS**[1] 055459		1 Off	**T0-1-8220/Z**[2] 086312		1 Off
		2	6.5	20	**T0-2-8221/E**[2] 038847			**T0-2-8221/EZ**[2] 010372		1 Off	**T0-2-8221/I1** 207104		1 Off	**T0-2-8221/IVS**[1] 057832		1 Off	**T0-2-8221/Z**[2] 074450		1 Off
			13	32	**T3-2-8221/E**[2] 045227			**T3-2-8221/EZ**[2] 001025		1 Off	**T3-2-8221/I2**[3] 207180		1 Off				**T3-2-8221/Z**[2] 047600		1 Off
			22	63	**T5B-2-8221/E**[4] 093047						**T5B-2-8221/I4**[5] 207221		1 Off				**T5B-2-8221/Z**[4] 093044		1 Off
		3	6.5	20	**T0-3-8222/E**[2] 048339			**T0-3-8222/EZ**[2] 015118		1 Off	**T0-3-8222/I1** 207124		1 Off	**T0-3-8222/IVS**[1] 060205		1 Off	**T0-3-8222/Z**[2] 088686		1 Off
			13	32	**T3-3-8222/E**[2] 052346			**T3-3-8222/EZ**[2] 001069		1 Off	**T3-3-8222/I2**[3] 207185		1 Off				**T3-3-8222/Z**[2] 057092		1 Off
			22	63	**T5B-3-8222/E**[4] 092378						**T5B-3-8222/I4**[5] 207224		1 Off				**T5B-3-8222/Z**[4] 092375		1 Off
		4	6.5	20	**T0-4-8223/E**[2] 050712			**T0-4-8223/EZ**[2] 019864		1 Off	**T0-4-8223/I1** 207137		1 Off	**T0-4-8223/IVS**[1] 062578		1 Off	**T0-4-8223/Z**[2] 086315		1 Off
			13	32	**T3-4-8223/E**[2] 059465						**T3-4-8223/I2**[3] 207192		1 Off				**T3-4-8223/Z**[2] 061838		1 Off
			22	63	**T5B-4-8223/E**[4] 092108						**T5B-4-8223/I4**[5] 207231		1 Off				**T5B-4-8223/Z**[4] 092105		1 Off
		5	6.5	20	**T0-5-8369/E**[2] 060204			**T0-5-8369/EZ**[2] 024610		1 Off				**T0-5-8369/IVS**[1] 064951		1 Off			
		5	13	32	**T3-5-8369/E**[2] 066584						**T3-5-8369/I2**[3] 207536		1 Off				**T3-5-8369/Z**[2] 068957		1 Off
		6	6.5	20	**T0-6-8370/E**[2] 062577			**T0-6-8370/EZ**[2] 029356		1 Off				**T0-6-8370/IVS**[1] 067324		1 Off	**T0-6-8370/Z**[2] 010380		1 Off
		6	13	32	**T3-6-8370/E**[2] 073703			**T3-6-8370/EZ**[2] 004506		1 Off									
		8	6.5	20	**T0-8-8372/E**[2] 064950			**T0-8-8372/EZ**[2] 034102		1 Off				**T0-8-8372/IVS**[1] 069697		1 Off	**T0-8-8372/Z**[2] 012753		1 Off
		8	13	32	**T3-8-8372/E**[2] 080822												**T3-8-8372/Z**[2] 083195		1 Off

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

3)

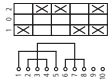
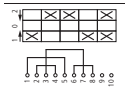
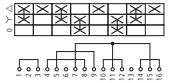
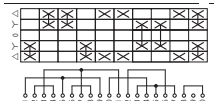
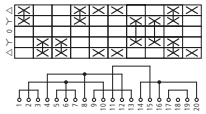
Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

4)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 1

5)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type: –

Contact sequence	Front plate no.	Main contacts Pole S I	Max. operating power AC-23A 400/415 V 50/60 Hz 400 V P kW	Rated uninterrupted current I_u A	Flush mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting Front IP65 Part no. Article no.	Price See price list	Std. pack
Reversing switch with 0 (Off) position																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
Without momentary																			
	FS 684	2	6.5	20	**T0-2-8400/E**[1] 053079		1 Off	**T0-2-8400/EZ**[1] 055452		1 Off	**T0-2-8400/I1** 207111		1 Off	**T0-2-8400/IVS**[4] 060198		1 Off	**T0-2-8400/Z**[1] 062571		1 Off
			13	32	**T3-2-8400/E**[1] 073695			**T3-2-8400/EZ**[1] 000687			**T3-2-8400/I2**[3] 207181						**T3-2-8400/Z**[1] 095060		
			22	63	**T5B-2-8400/E**[2] 092918						**T5B-2-8400/I4**[2] 207222								
		3	6.5	20	**T0-3-8401/E**[1] 091047			**T0-3-8401/EZ**[1] 093420			**T0-3-8401/I1** 207132			**T0-3-8401/IVS**[4] 098166			**T0-3-8401/Z**[1] 010366		
			13	32	**T3-3-8401/E**[1] 030992			**T3-3-8401/EZ**[1] 000694			**T3-3-8401/I2**[3] 207188						**T3-3-8401/Z**[1] 035739		
			22	63	**T5B-3-8401/E**[2] 092296						**T5B-3-8401/I4**[2] 207227						**T5B-3-8401/Z**[2] 092293		
With momentary from both directions to 0																			
	FS 4011	3	6.5	20	**T0-3-8228/E**[1] 015112		1 Off	**T0-3-8228/EZ**[1] 048334		1 Off	**T0-3-8228/I1** 207125		1 Off	**T0-3-8228/IVS**[4] 062572		1 Off	**T0-3-8228/Z**[1] 074437		
			13	32	**T3-3-8228/E**[1] 002538			**T3-3-8228/EZ**[1] 000695		1 Off	**T3-3-8228/I2**[3] 207186						**T3-3-8228/Z**[1] 004911		
			22	63	**T5B-3-8228/E**[2] 092374						**T5B-3-8228/I4**[2] 207225								
Star-delta switches																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
	FS 635	3	6.5	20	**T0-4-8410/E**[1] 024604		1 Off	**T0-4-8410/EZ**[1] 053080		1 Off	**T0-4-8410/I1** 207140		1 Off	**T0-4-8410/IVS**[5] 064945		1 Off	**T0-4-8410/Z**[1] 083929		1 Off
			13	32	**T3-4-8410/E**[1] 009657			**T3-4-8410/EZ**[1] 000721		1 Off	**T3-4-8410/I2**[3] 207195						**T3-4-8410/Z**[1] 012030		
			22	63	**T5B-4-8410/E**[1] 092052						**T5B-4-8410/I4**[1] 207234						**T5B-4-8410/Z**[1] 092049		
Reversing star-delta switches																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
Two-way operating direction																			
	FS 638	3	6.5	20	**T0-5-15876/E**[1] 000893		1 Off	**T0-5-15876/EZ**[1] 000900		1 Off				**T0-5-15876/IVS**[4] 000902		1 Off	**T0-5-15876/Z**[1] 000942		1 Off
			13	32	**T3-5-15876/E**[1] 016776			**T3-5-15876/EZ**[1] 000797		1 Off	**T3-5-15876/I2**[3] 207537						**T3-5-15876/Z**[1] 019149		1 Off
	FS 4017		22	63	**T5B-5-15876/E**[2] 214785												**T5B-5-15876/Z**[2] 214786		1 Off

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

3)

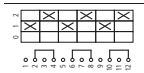
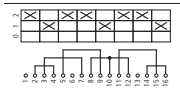
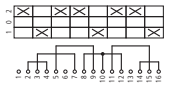
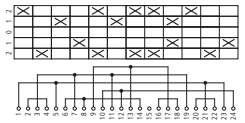
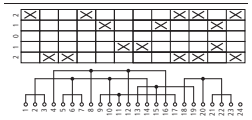
Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

4)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP30; UL/CSA Type: –

5)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type: –

Contact sequence	Front plate no.	Main contacts Pole N/O	Max. motor rating: AC-23A 400/415 V 50/60 Hz 400 V P kW	Rated uninterrupted current I_u A	Flush mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting Front IP65 Part no. Article no.	Price See price list	Std. pack
Multi-speed switches																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
Two-speed, non reversing, for 2 separate windings																			
	FS 644	6	6.5	20	**T0-3-8451/E**[2] 038849		1 Off	**T0-3-8451/EZ**[2] 083936		1 Off	**T0-3-8451/I1** 207133		1 Off	**T0-3-8451/IVS**[1] 026985		1 Off	**T0-3-8451/Z**[2] 043596		1 Off
			13	32	**T3-3-8451/E**[2] 028641			**T3-3-8451/EZ**[2] 000956		1 Off	**T3-3-8451/I2**[3] 207189		1 Off				**T3-3-8451/Z**[2] 031014		1 Off
			22	63	**T5B-3-8451/E**[4] 092288					1 Off	**T5B-3-8451/I4**[4] 207228		1 Off						
2-speed, 2 directions, for one tapped winding																			
	FS 644	3	6.5	20	**T0-4-8440/E**[2] 041222		1 Off	**T0-4-8440/EZ**[2] 088682		1 Off	**T0-4-8440/I1** 207141		1 Off	**T0-4-8440/IVS**[1] 029358		1 Off	**T0-4-8440/Z**[2] 048342		1 Off
			13	32	**T3-4-8440/E**[2] 035760			**T3-4-8440/EZ**[2] 000959			**T3-4-8440/I2**[3] 207196		1 Off				**T3-4-8440/Z**[2] 038133		
			22	63	**T5B-4-8440/E**[4] 092032						**T5B-4-8440/I4**[4] 207235		1 Off				**T5B-4-8440/Z**[4] 092029		
	FS 684	3	6.5	20	**T0-4-8441/E**[2] 043595			**T0-4-8441/EZ**[2] 093428			**T0-4-8441/I1** 207142		1 Off	**T0-4-8441/IVS**[1] 031731		1 Off	**T0-4-8441/Z**[2] 053088		
			13	32	**T3-4-8441/E**[2] 042879						**T3-4-8441/I2**[3] 207197		1 Off				**T3-4-8441/Z**[2] 045252		
			22	63	**T5B-4-8441/E**[4] 092028						**T5B-4-8441/I4**[4] 207236		1 Off				**T5B-4-8441/Z**[4] 092025		
Reversing multi-speed switches																			
With black thumb-grip and front plate Without emergency switching off/emergency stop function																			
2-speed, 2 directions, for one tapped winding																			
	FS 629	–	6.5	20	**T0-6-15866/E**[2] 055460		1 Off	**T0-6-15866/EZ**[2] 012747		1 Off				**T0-6-15866/IVS**[1] 036477		1 Off	**T0-6-15866/Z**[2] 067326		1 Off
		–	13	32	**T3-6-15866/E**[2] 054744												**T3-6-15866/Z**[2] 057117		1 Off
	FS 441	–	22	63	**T5B-7-15866/E**[4] 214788														

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP30; UL/CSA Type: –

2)

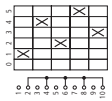
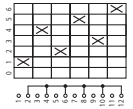
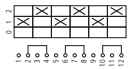
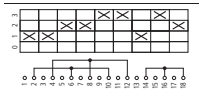
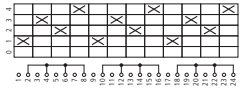
Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

3)

Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

4)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV7
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

Contact sequence	Front plate no.	Main contacts Pole N/O	Flush mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack
Step switches								
With black thumb-grip and front plate One contact closed per step Without overlap								
With 0 (Off) position								
	 FS 418	1	**T0-1-8240/E** 034105		1 Off	**T0-1-8240/EZ** 043597		1 Off
	 FS 420	1	**T0-2-8241/E** 050716			**T0-2-8241/EZ** 053089		
	 FS 422	1	**T0-2-8242/E** 067327			**T0-2-8242/EZ** 069700		
	 FS 424	1	**T0-3-8243/E** 081565			**T0-3-8243/EZ** 083938		
	 FS 426	1	**T0-3-8244/E** 095803			**T0-3-8244/EZ** 098176		
	 FS 418	3	**T0-3-8280/E** 034106			**T0-3-8280/EZ** 036479		
	 FS 420	3	**T0-5-8281/E** 048344			**T0-5-8281/EZ** 050717		
	 FS 422	3	**T0-6-8282/E** 062582			**T0-6-8282/EZ** 064955		

Contact sequence	Front plate no.	Main contacts Pole N/O	Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting[2] Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting[2] Front IP65 Part no. Article no.	Price See price list	Std. pack
Step switches											
With black thumb-grip and front plate One contact closed per step Without overlap											
With 0 (Off) position											
	FS 418	1	**T0-1-8240/I1** 207079		1 Off	**T0-1-8240/IVS** 027076		1 Off	**T0-1-8240/Z** 060208		1 Off
	FS 420	1	**T0-2-8241/I1** 207107			**T0-2-8241/IVS** 057835			**T0-2-8241/Z** 062581		
	FS 422	1	**T0-2-8242/I1** 207108			**T0-2-8242/IVS** 074446			**T0-2-8242/Z** 076819		
	FS 424	1	**T0-3-8243/I1** 207128			**T0-3-8243/IVS** 088684			**T0-3-8243/Z** 091057		
	FS 426	1	**T0-3-8244/I1** 207129			**T0-3-8244/IVS** 012749			**T0-3-8244/Z** 015122		
	FS 418	3	**T0-3-8280/I1** 207130			**T0-3-8280/IVS** 041225			**T0-3-8280/Z** 043598		
	FS 420	3				**T0-5-8281/IVS** 055463			**T0-5-8281/Z** 057836		
	FS 422	3				**T0-6-8282/IVS** 069701			**T0-6-8282/Z** 072074		

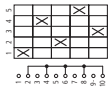
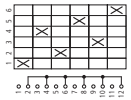
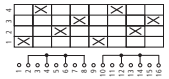
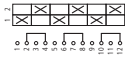
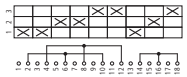
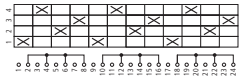
Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –

Contact sequence	Front plate no.	Main contacts Pole N/O	Flush mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack
Step switches								
With black thumb-grip and front plate One contact closed per step Without overlap								
without 0 (Off) position								
	 FS 943	1	**T0-1-8220/E** 031728		1 Off	**T0-1-8220/EZ** 095799		1 Off
	 FS 404	1	**T0-2-8230/E** 088685			**T0-2-8230/EZ** 091058		
	 FS 606	1	**T0-2-8231/E** 012750			**T0-2-8231/EZ** 015123		
	 FS 408	1	**T0-3-8232/E** 026988			**T0-3-8232/EZ** 029361		
	 FS 410	1	**T0-3-8233/E** 041226			**T0-3-8233/EZ** 043599		
	 FS 406	2	**T0-4-8251/E** 013971			**T0-4-8251/EZ** 013972		
	 FS 943	3	**T0-3-8222/E** 048339			**T0-3-8222/EZ** 015118		
	 FS 404	3	**T0-5-8270/E** 091059			**T0-5-8270/EZ** 093432		
	 FS 406	3	**T0-6-8271/E** 015124			**T0-6-8271/EZ** 017497		

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

Contact sequence	Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting[2] Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack
Step switches									
With black thumb-grip and front plate One contact closed per step Without overlap									
without 0 (Off) position									
	T0-1-8220/I1 207078		1 Off	**T0-1-8220/IVS** 055459		1 Off	**T0-1-8220/Z** 086312		1 Off
	T0-2-8230/I1 207105			**T0-2-8230/IVS** 095804			**T0-2-8230/Z** 098177		
	T0-2-8231/I1 207106			**T0-2-8231/IVS** 019869			**T0-2-8231/Z** 022242		
	T0-3-8232/I1 207126			**T0-3-8232/IVS** 034107			**T0-3-8232/Z** 036480		
	T0-3-8233/I1 207127			**T0-3-8233/IVS** 048345			**T0-3-8233/Z** 050718		
	T0-4-8251/I1 218984			**T0-4-8251/IVS** 013974			**T0-4-8251/Z** 013976		
	T0-3-8222/I1 207124			**T0-3-8222/IVS** 060205					
				T0-5-8270/IVS 098178			**T0-5-8270/Z** 010378		
				T0-6-8271/IVS 022243			**T0-6-8271/Z** 024616		

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –

Contact sequence	Front plate no.	Main contacts Pole N/O	Flush mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting[2] Front IP65 Part no. Article no.	Price See price list	Std. pack	Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting[3] Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting Front IP65 Part no. Article no.	Price See price list	Std. pack
On-Off switches																	
With black thumb-grip and front plate																	
	 FS 415	1	**T0-1-15401/E** 038854		1 Off	**T0-1-15401/EZ** 041227		1 Off	**T0-1-15401/I1** 207067		1 Off	**T0-1-15401/ IVS** 045973		1 Off			
		2	**T0-1-15402/E** 053092			**T0-1-15402/EZ** 055465			**T0-1-15402/I1** 207068		1 Off	**T0-1-15402/ IVS** 060211					
		3	**T0-2-15403/E** 067330			**T0-2-15403/EZ** 069703						**T0-2-15403/ IVS** 074449					
		4	**T0-2-15404/E** 081568			**T0-2-15404/EZ** 083941											

Information relevant for export to North America

1)

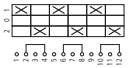
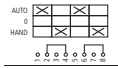
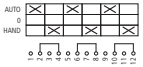
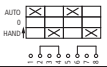
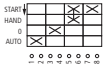
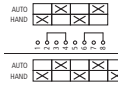
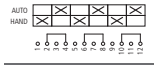
Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type: –

3)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP30; UL/CSA Type: –

Contact sequence	Front plate no.	Main contacts Pole N/O	Flush mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack
Changeover switches								
With black thumb-grip and front plate								
	 FS 429	1	**T0-1-15421/E** 095806		1 Off	**T0-1-15421/EZ** 098179		1 Off
		2	**T0-2-15422/E** 019871			**T0-2-15422/EZ** 022244		
		3	**T0-3-15423/E** 034109			**T0-3-15423/EZ** 036482		
Manual/Auto switches								
With 0 (Off) position								
	 FS 1401	1	**T0-1-15431/E** 019872		1 Off	**T0-1-15431/EZ** 022245		1 Off
		2	**T0-2-15432/E** 034110			**T0-2-15432/EZ** 036483		
		3	**T0-3-15433/E** 048348			**T0-3-15433/EZ** 050721		
With momentary from HAND								
	 FS 1414000	1	**T0-1-15434/E** 062586		1 Off	**T0-1-15434/EZ** 018053		1 Off
		2	**T0-2-15435/E** 003191		1 Off	**T0-2-15435/EZ** 003192		1 Off
With momentary from START								
	 FS 1413890	2	**T0-2-15907/E** 066931		1 Off	**T0-2-15907/EZ** 069304		1 Off
Without 0 (Off) position								
	 FS 19334	1	**T0-1-15451/E** 076824		1 Off	**T0-1-15451/EZ** 079197		1 Off
		2	**T0-2-15452/E** 091062			**T0-2-15452/EZ** 093435		
		3	**T0-3-15453/E** 015127			**T0-3-15453/EZ** 017500		

Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting[2] Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting[1] Front IP65 Part no. Article no.	Price See price list	Std. pack
T0-1-15421/I1 207069		1 Off	**T0-1-15421/IVS** 012752		1 Off	**T0-1-15421/Z** 015125		1 Off
T0-2-15422/I1 207090			**T0-2-15422/IVS** 026990			**T0-2-15422/Z** 029363		
T0-3-15423/I1 207114			**T0-3-15423/IVS** 041228			**T0-3-15423/Z** 043601		
T0-1-15431/I1 207070		1 Off	**T0-1-15431/IVS** 026991		1 Off	**T0-1-15431/Z** 029364		1 Off
T0-2-15432/I1 207091			**T0-2-15432/IVS** 041229			**T0-2-15432/Z** 043602		
T0-3-15433/I1 207115			**T0-3-15433/IVS** 055467			**T0-3-15433/Z** 057840		
T0-1-15434/I1 207071		1 Off	**T0-1-15434/IVS** 069705		1 Off	**T0-1-15434/Z** 072078		1 Off
T0-2-15435/I1 218971		1 Off	**T0-2-15435/IVS** 003195		1 Off	**T0-2-15435/Z** 003196		1 Off
T0-2-15907/I1 207095		1 Off	**T0-2-15907/IVS** 076423		1 Off	**T0-2-15907/Z** 078796		1 Off
T0-1-15451/I1 207072		1 Off	**T0-1-15451/IVS** 083943		1 Off	**T0-1-15451/Z** 086316		1 Off
T0-2-15452/I1 207092			**T0-2-15452/IVS** 098181			**T0-2-15452/Z** 010381		
T0-3-15453/I1 207116			**T0-3-15453/IVS** 022246			**T0-3-15453/Z** 024619		

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –

Contact sequence	Front plate no.	Main contacts Pole N/O	Flush mounting Front IP65 Part no. Article no.	Price See price list	Std. pack	Center mounting Front IP65 Part no. Article no.	Price See price list	Std. pack
On switch (N/O)								
With black thumb-grip and front plate Momentary from position 1								
	FS 4721	1	**T0-1-15321/E** 086317		1 Off	**T0-1-15321/EZ** 088690		1 Off
		2	**T0-1-15322/E** 010382			**T0-1-15322/EZ** 012755		
		3	**T0-2-15323/E** 024620			**T0-2-15323/EZ** 026993		
	FS 456		**T0-1-15366/E** 081572			**T0-1-15366/EZ** 083945		
ON-OFF momentary switches								
With black thumb-grip and front plate Momentary from START position								
	FS 147767	1	**T0-1-15511/E** 019875		1 Off	**T0-1-15511/EZ** 022248		1 Off
		2	**T0-2-15512/E** 034113			**T0-2-15512/EZ** 036486		
		3	**T0-3-15513/E** 048351			**T0-3-15513/EZ** 050724		
	FS 140660	see K 115	**T0-2-8177/E** 015130			**T0-2-8177/EZ** 017503		

Surface mounting IP65 totally insulated Part no. Article no.	Price See price list	Std. pack	Distribution board mounting Front IP30 Part no. Article no.	Price See price list	Std. pack	Rear mounting Front IP65 Part no. Article no.	Price See price list	Std. pack
T0-1-15321/I1 207064		1 Off	**T0-1-15321/IVS** 093436		1 Off	**T0-1-15321/Z** 095809		1 Off
T0-1-15322/I1 207065			**T0-1-15322/IVS** 017501					
T0-2-15323/I1 207087			**T0-2-15323/IVS** 031739					
T0-1-15511/I1 207073		1 Off	**T0-1-15511/IVS** 026994		1 Off	**T0-1-15511/Z** 029367		1 Off
T0-2-15512/I1 207093						**T0-2-15512/Z** 043605		1 Off
T0-3-15513/I1 207117								
T0-2-8177/I1 207101			**T0-2-8177/IVS** 022249		1 Off	**T0-2-8177/Z** 024622		1 Off

Information relevant for export to North America

1)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

2)

Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL Listed, CSA certified
Suitable for	Branch circuits
Degree of Protection	IEC: IP30; UL/CSA Type: –