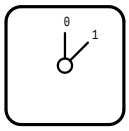
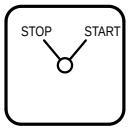
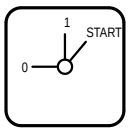
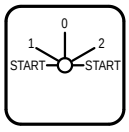
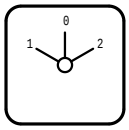
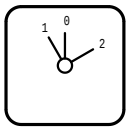
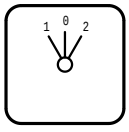
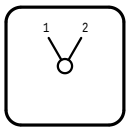
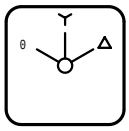
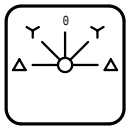
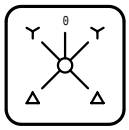
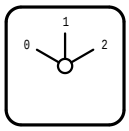
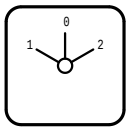
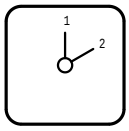
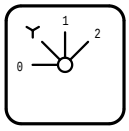
Commutatori con ritorno a molla, Invertitori di marcia

Spring-return switches, Reversing switches

Mostrina Standard *Standard front plates*	Descrizione *Functions*		Numeri di contatti *Switch contacts*	Tipo *Type*
 FB 4024	**Commutatori 0-1 con ritorno a molla in posizione 0 angolo di scatto 40°**	*On switches 40° switching angle, spring return to 0-position*		
		1 pole	1	**A _ _ _ /227.**
		2 pole	2	**A _ _ _ /228.**
		3 pole	3	**A _ _ _ /229.**
 FB 4014	**Commutatori On-off con ritorno a molla in posizione Off/Stop angolo di scatto 40°**	*On-Off switches 40° switching angle, spring return to STOP-position*		
		1 pole	2	**Z _ _ _ /212.**
		1 pole, separate contacts	2	**Z _ _ _ /241.**
 FB 1039	**Commutatori On-off con ritorno a molla in posizione 1 angolo di scatto 90°/40°**	*On-Off switches with indexing position 90°/40° switching angle, spring return to position 1*		
		1 pole	2	**Z _ _ _ /213.**
		2 pole	4	**Z _ _ _ /243.**
		1 pole, separate contacts	2	**Z _ _ _ /242.**
 FB 1001	**Commutatori con ritorno a molla in posizione 1 o 2**	*Spring return in position 1 or 2*		
		1 pole 60°/30°	3	**Z _ _ _ /214.**
		1 pole, separate contacts 60°/30°	3	**Z _ _ _ /244.**
 FB 6002	**Invertitori di marcia angolo di scatto 60°**	*Reversing switches 60° switching angle*		
		2 pole	4	**W _ _ _ /2.**
		3 pole	5	**W _ _ _ /3.**
 FB 1024		*3pole, one-sided spring return to 0-position, 60°/30°*	5	**W _ _ _ /5.**
 FB 3030	**Invertitori di marcia angolo di scatto 30°**	*Reversing switches 30° switching angle*		
		3pole, duplex spring return to 0-position, 30°	5	**W _ _ _ /7.**
 FB 6018	**Invertitori di marcia angolo di scatto 60°**	*Reversing switches 60° switching angle*		
		3pole, without 0-position	5	**W _ _ _ /12.**

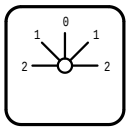
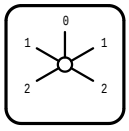
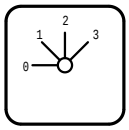
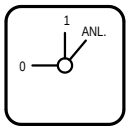
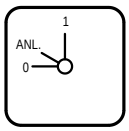
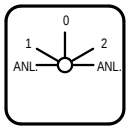
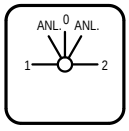
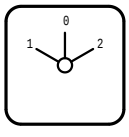
Commutatori Stella-Triangolo, Commutatori di poli per motori a più velocità

Star-delta switches, Multi-speed switches

Mostrina Standard *Standard front plates*	Descrizione *Functions*		Numeri di contatti *Switch contacts*	Tipo *Type*
 **FB 6003**	**Commutatori Stella-Triangolo angolo di scatto 60°**	*Star-delta switches 60° switching angle*		
		standard	8	**S _ _ _ /1.**
		with I-contact for contactor control	10	**S _ _ _ /26.**
		with I-contact for contactor control without mains contacts	7	**S _ _ _ /2.**
		for individually compensated motors	8	**S _ _ _ /5.**
 **FB 4002**		*2 rotating directions, 45°*	10	**S _ _ _ /3.**
 **FB 1032**		*2 rotating directions with I-contact, 45°/90°*	12	**S _ _ _ /16.**
		2 rotating directions, 45°/90°, for individually compensated motors	10	**S _ _ _ /27.**
 **FB 6012**	**Commutatori di poli per motori a più velocità angolo di scatto 60°**	*Multi speed switches 60° switching angle*		
		2-speed switches, tapped windings	8	**P _ _ _ /1.**
		2-speed switches, tapped windings, with I-contact for contactor control	10	**P _ _ _ /2.**
		2-speed switches, 2 separate windings	6	**P _ _ _ /7.**
 **FB 6002**		*2-speed switches, tapped windings,*	8	**P _ _ _ /5.**
		2-speed switches, 2 separate windings	6	**P _ _ _ /48.**
 **FB 6047**		*2-speed switches, tapped windings, without 0-position*	8	**P _ _ _ /127.**
 **FB 4089**		*2-speed switches, tapped windings, with starting position, 45°*	11	**P _ _ _ /6.**

Commutatori

Commutatori di poli per motori a più velocità / *Multi-speed switches*
Commutatori per motori monofase / *Single-phase starter switches*

Mostrina Standard *Standard front plates*	Descrizione *Functions*		Numeri di contatti *Switch contacts*	Tipo *Type*
 FB 4003	**Commutatori di poli per motori a più velocità angolo di scatto 45°**	*Multi-speed switches 45° switching angle*		
		2-speed switches, tapped windings, 2 rotating directions	12	**P _ _ _ /3.**
 FB 6108		*2-speed switches, 2 separate windings, 2 rotating directions, 60°*	10	**P _ _ _ /24.**
 FB 4004		*3-speed switches, tapped windings, 1. and 2. speed, 45°*	11	**P _ _ _ /9.**
		3-speed switches, tapped windings, 1. and 3. speed	11	**P _ _ _ /10.**
		3-speed switches, tapped windings, 2. and 3. speed	11	**P _ _ _ /11.**
 FB 1038	**Commutatori per motori monofase angolo di scatto 30°/60°**	*Single-phase starter switches 30°/60° switching angle*		
		with spring return to position 1, 90°/40°	3	**E _ _ _ /1.**
 FB 1042		*with spring return to 0-position*	3	**E _ _ _ /2.**
 FB 1043		*with spring return to position 1, 2 rotating directions*	6	**E _ _ _ /3.**
 FB 1044		*with spring return to 0-position, 2 rotating directions*	6	**E _ _ _ /4.**
 FB 6002		*reversing, 60°, with operating capacitor*	7	**E _ _ _ /5.**