

## Motors being applied in Linear Actuators ESL-...

Actuator type	Motor	Data for current protection calculation			
		Rated current I <sub>n</sub> [A]	Start up current I <sub>r</sub> [A]	Power coefficient cos φ [-]	Power consumed P <sub>p</sub> [W]
ESL-03-00 ESL-03-01 ESL-03-02 ESL-03-03 ESL-03-04	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESL-03-05 ESL-03-06 ESL-03-07 ESL-03-08 ESL-03-09 ESL-03-10	1-phase motor 230V 50Hz u = 1380 rpm N = 33W	0.32	0.60	0.96	67
ESL-04-00 ESL-04-01 ESL-04-02 ESL-04-03 ESL-04-04	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESL-05-00 ESL-05-01 ESL-05-02 ESL-05-03 ESL-05-04	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESL-05-05 ESL-05-06 ESL-05-07 ESL-05-08 ESL-05-09 ESL-05-10	1-phase motor 230V 50Hz u = 1380 rpm N = 33W	0.32	0.60	0.96	67
ESL-07-00 ESL-07-01 ESL-07-02	3-phase motor 230/380V 50Hz u = 1380 rpm N = 250W	0.79	3.00	0.72	379
ESL-07-03 ESL-07-04 ESL-07-05 ESL-07-06 ESL-07-07 ESL-07-08	3-phase motor 230/380V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESL-07-09	3-phase motor 230/380V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESL-07-10 ESL-07-11	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESL-08-00 ESL-08-01 ESL-08-02	3-phase motor 230/400V 50Hz u = 1380 rpm N = 250W	0.79	3.00	0.72	379
ESL-08-03 ESL-08-04 ESL-08-05 ESL-08-06 ESL-08-07 ESL-08-08	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753

ESL-08-09	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESL-08-10 ESL-08-11	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESL-09-00 ESL-09-01 ESL-09-02	3-phase motor 230/400V 50Hz u = 1380 rpm N = 250W	0.79	3.00	0.72	379
ESL-09-03 ESL-09-04 ESL-09-05 ESL-09-06 ESL-09-07 ESL-09-08	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESL-09-09	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESL-09-10 ESL-09-11	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESL-10-00 ESL-10-01 ESL-10-02 ESL-10-03 ESL-10-04	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESL-10-05 ESL-10-06 ESL-10-07 ESL-10-08 ESL-10-09 ESL-10-10	1-phase motor 230V 50Hz u = 1380 rpm N = 33W	0.32	0.60	0.96	67
ESL-13- all types	1-phase motor 230V 50Hz u = 1380 rpm N = 62W	0.80	1.40	0.68	124
ESL-14-00 ESL-14-01 ESL-14-02 ESL-14-03 ESL-14-04	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESL-14-05 ESL-14-06 ESL-14-07 ESL-14-08 ESL-14-09 ESL-14-10	1-phase motor 230V 50Hz u = 1380 rpm N = 33W	0.32	0.60	0.96	67
ESL-15-00 ESL-15-01 ESL-15-02 ESL-15-03 ESL-15-04	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESL-16-00...-01 ESL-16-01...-02	1-phase motor 24V 50Hz u = 500 rpm N = 0,83W	0.22	0.22		
ESL-16-00...-02 ESL-16-01...-02	1-phase motor 230V 50Hz u = 500 rpm N = 0,83W	0.018	0.018		

## Motors being applied in Rotary Actuators ESO-...

Actuator type	Motor	Data for current protection calculation			
		Rated current I <sub>n</sub> [A]	Start up current I <sub>r</sub> [A]	Power coefficient cos φ [-]	Power consumed P <sub>p</sub> [W]
ESO-01-00 ESO-01-01	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESO-01-02	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESO-01-03	3-phase motor 230/400V 50Hz u = 1480 rpm N = 1100W	2.90	12.80	0.78	1486
ESO-01-04	3-phase motor 230/400V 50Hz u = 2800 rpm N = 750W	1.81	9,05	0.86	1027
ESO-01-05	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESO-02-00	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESO-02-01	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESO-02-02	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESO-02-03	3-phase motor 230/400V 50Hz u = 1480 rpm N = 1100W	2.90	12.80	0.78	1486
ESO-02-04	3-phase motor 230/400V 50Hz u = 2800 rpm N = 750W	1.81	9,05	0.86	1027
ESO-02-05	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESO-03-00	3-phase motor 230/400V 50Hz u = 2770 rpm N = 250W	0.65	2.60	0.83	368
ESO-03-01 ESO-03-02	3-phase motor 230/400V 50Hz u = 1400 rpm N = 180W	0.65	2.10	0.70	281

## Electric motors being applied in Part-turn Actuators ESW-...

Actuator type	Motor	Data for current protection calculation			
		Rated current I <sub>n</sub> [A]	Start up current I <sub>r</sub> [A]	Power coefficient cos φ [-]	Power consumed P <sub>p</sub> [W]
ESW-16-00 ESW-16-01 ESW-16-02 ESW-16-03	3-phase motor 230/400V 50Hz u = 1380 rpm N = 250W	0.79	3.00	0.72	379
ESW-16-04	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESW-16-05	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESW-16-06	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESW-16-07	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESW-16-08 ESW-16-09	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESW-17-00 ESW-17-01	1-phase motor 230V 50Hz u = 1380 rpm N = 25W	0.25	0.50	0.96	57
ESW-19-00 ESW-19-01 ESW-19-02 ESW-19-03	3-phase motor 230/400V 50Hz u = 1380 rpm N = 250W	0,79	3.00	0.72	379
ESW-19-04	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESW-19-05	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESW-19-06	3-phase motor 230/400V 50Hz u = 2780 rpm N = 1100W	2.50	12.50	0.87	1429
ESW-19-07	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESW-19-08 ESW-19-09	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESW-20-00 ESW-20-01 ESW-20-02 ESW-20-03	3-phase motor 230/400V 50Hz u = 1380 rpm N = 250W	0.79	3.00	0.72	379
ESW-20-05 ESW-20-07	3-phase motor 230/400V 50Hz u = 1400 rpm N = 550W	1.47	6.17	0.78	753
ESW-20-08 ESW-20-09	3-phase motor 230/400V 50Hz u = 1400 rpm N = 750W	1.92	9.02	0.78	987
ESW-25-00	3-phase motor 230/400V 50Hz u = 680 rpm N = 120W	0.60	1.38	0.63	240
ESW-26-00	3-phase motor 230/400V 50Hz u = 900 rpm N = 250W	0.95	2.90	0.68	417