

Direct Coupled Actuators

Belimo														
Belimo Model	Fail Safe	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
LMB24-3-P5-T	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	0-5 kOhm	—	95	ML6174A2002 + 200976A	70 lb-in.	On/Off, Floating	24 Vac	500 Ohm	—	95
								ML6174A2002 + 200976C		On/Off, Floating	24 Vac	2 kOhm	—	95
LMB24-3-P10-T	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	0-10 kOhm	—	95	ML6174A2002 + 200976A	70 lb-in.	On/Off, Floating	24 Vac	500 Ohm	—	95
								ML6174A2002 + 200976C		On/Off, Floating	24 Vac	2 kOhm	—	95
LMB24-3	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
LMB24-3-T	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
LMB24-3-S	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	1	95	MN6105A1201	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
LMB24-SR	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMX24-SR	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	95	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMB24-SR-T	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMX24-SR-T	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMX24-MFT	NSR	45 lb-in.	MFT	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMX24-MFT	NSR	45 lb-in.	MFT	24 Vac/Vdc	Variable (0-10 Vdc)	Add-On	150	MN7505A2209	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
LMCB24-3	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	35	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
LMCB24-3-T	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	35	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
LMX24-3	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
LMX24-3-T	NSR	45 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
LMCB24-SR	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	35	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMCB24-SR-T	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	35	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMX120-SR	NSR	45 lb-in.	2-10 Vdc (4-20 mA)	100-240 Vac	2-10 Vdc	—	95	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
LMX24-MFT95	NSR	45 lb-in.	0-135 Ohm	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7505A2001 + Q7002B1009	44 lb-in.	0-135 OHM	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMB24-3	NSR	90 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
NMCB24-3	NSR	90 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	45	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
NMX24-3	NSR	90 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
NMCB24-3-T	NSR	90 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	45	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
NMX24-3-T	NSR	90 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
NMB24-SR	NSR	90 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMCB24-SR	NSR	90 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	45	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMX24-SR	NSR	90 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	95	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMCB24-SR-T	NSR	90 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	45	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMX24-SR-T	NSR	90 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMX24-MFT	NSR	90 lb-in.	MFT	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMX24-MFT95	NSR	90 lb-in.	0-135 Ohm	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7510A2001 + Q7002B1009	88 lb-in.	0-135 OHM	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMQ24-MFT US	NSR	90 lb-in.	MFT	24 Vac/Vdc	—	—	150	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
NMB24-3+S2A	NSR	90 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95	MN6110A1201	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
NMB24-SR + S2A	NSR	90 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	2	95	MN7510A2209	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
AMB24-3	NSR	180 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6120A1002	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
AMX24-3	NSR	180 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6120A1002	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
AMX24-3-T	NSR	180 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95	MN6120A1002	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
AMB24-3-S	NSR	180 lb-in.	On/Off, Floating	24 Vac/Vdc	—	1	95	MN6120A1200	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
AMB24-SR	NSR	180 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	95	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
AMX24-SR	NSR	180 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	95	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
AMX24-SR-T	NSR	180 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
AMB24-SR+S2A	NSR	180 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	2	95	MN7220A2205	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
AMX24-MFT	NSR	180 lb-in.	MFT	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
AMX24-MFT95	NSR	180 lb-in.	0-135 Ohm	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7220A2007+ Q7002B1009	175 lb-in.	0-135 OHM	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GMB24-3	NSR	360 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	150	MN6134A1003	300 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GMX24-3	NSR	360 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	150	MN6134A1003	300 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GMB24-SR	NSR	360 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	150	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GMX24-SR	NSR	360 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	150	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GMX24-MFT	NSR	360 lb-in.	MFT	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GMX24-MFT95	NSR	360 lb-in.	0-135 Ohm	24 Vac/Vdc	Variable (0-10 Vdc)	—	150	MN7234A2008 + Q7002B1009	300 lb-in.	0-135 OHM	24 Vac/Vdc	(0) 2-10 Vdc	—	95
TF24 US	SR	18 lb-in.	On/Off	24 Vac/Vdc	—	—	<75	MS8103A1030	27 lb-in.	On/Off	24 Vac/Vdc	—	—	45
TF24-S US	SR	18 lb-in.	On/Off	24 Vac/Vdc	—	1	<75	MS8103A1130	27 lb-in.	On/Off	24 Vac/Vdc	—	1	45
TF120 US	SR	18 lb-in.	On/Off	100-240 Vac	—	—	<75	MS4103A1030	27 lb-in.	On/Off	100-250 Vac	—	—	45
TF120-S US	SR	18 lb-in.	On/Off	100-240 Vac	—	1	<75	MS4103A1130	27 lb-in.	On/Off	100-250 Vac	—	1	45
TF24-SR US	SR	18 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	—	95	MS7503A2030	27 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
TF24-SR-S US	SR	18 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	—	1	95	MS7503A2130	27 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
TF24-3 US	SR	18 lb-in.	Floating	24 Vac/Vdc	—	—	95	MS7503A2030	27 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
TF24-3-S US	SR	18 lb-in.	Floating	24 Vac/Vdc	—	1	95	MS7503A2130	27 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90

Direct Coupled Actuators

Belimo (cont.)														
Belimo Model	Fail Safe	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
LF24-S US	SR	35 lb-in.	On/Off	24 Vac/Vdc	—	—	40-75	MS8105A1130	44 lb-in.	On/Off	24 Vac/Vdc	—	1	45
LF120 US	SR	35 lb-in.	On/Off	120 Vac	—	—	40-75	MS4105A1030	44 lb-in.	On/Off	100-250 Vac	—	—	45
LF120-S US	SR	35 lb-in.	On/Off	120 Vac	—	1	40-75	MS4105A1130	44 lb-in.	On/Off	100-250 Vac	—	1	45
LF230 US	SR	35 lb-in.	On/Off	230 Vac	—	—	40-75	MS4105A1030	44 lb-in.	On/Off	100-250 Vac	—	—	45
LF230-S US	SR	35 lb-in.	On/Off	230 Vac	—	1	40-75	MS4105A1130	44 lb-in.	On/Off	100-250 Vac	—	1	45
LF24-3 US	SR	35 lb-in.	Modulating	24 Vac/Vdc	—	—	150	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LF24-3-S US	SR	35 lb-in.	Modulating	24 Vac/Vdc	—	1	150	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
LFC24-3-R US	SR	35 lb-in.	Floating	24 Vac/Vdc	—	—	90	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LFC24-3-S US	SR	35 lb-in.	Floating	24 Vac/Vdc	—	1	90	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
LF24-SR US	SR	35 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	150	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LF24-SR-S US	SR	35 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	1	150	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
LF24-SR-E US	SR	35 lb-in.	2-10 Vdc, Built-in. minimum position	24 Vac/Vdc	2-10 Vdc	—	150	MS7405A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc, Economizer (3kOhm, 3-Position)	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LF24-ECON- R03 US	SR	35 lb-in.	0-3 kOhm, type 10 thermistor	24 Vac/Vdc	2-10 Vdc	—	95	MS7405A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc, Economizer (3kOhm, 3-Position)	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LF24-MFT US	SR	35 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	—	150	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LF24-MFT-S US	SR	35 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	1	150	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
LF24-MFT-20 US	SR	35 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	—	150	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
LF24-MFT-20-S US	SR	35 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	1	150	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
NF24 US	SR	60 lb-in.	On/Off	24 Vac/Vdc	—	—	< 75	MS8110A1008	88 lb-in.	On/Off	24 Vac/Vdc	—	—	45
NF24-S US	SR	60 lb-in.	On/Off	24 Vac/Vdc	—	1	< 75	MS8110A1206	88 lb-in.	On/Off	24 Vac/Vdc	—	2	45
NF24-S2 US	SR	60 lb-in.	On/Off	24 Vac/Vdc	—	2	< 75	MS8110A1206	88 lb-in.	On/Off	24 Vac/Vdc	—	2	45
NF120 US	SR	60 lb-in.	On/Off	120 Vac	—	—	< 75	MS4110A1002	88 lb-in.	On/Off	100-250 Vac	—	—	45
NF120-S US	SR	60 lb-in.	On/Off	120 Vac	—	1	< 75	MS4110A1200	88 lb-in.	On/Off	100-250 Vac	—	2	45
NF24-SR US	SR	60 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	150	MS7510A2008	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
NF24-SR-S US	SR	60 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	1	150	MS7510A2206	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
NF24-MFT US	SR	60 lb-in.	MFT	24 Vac/Vdc	—	—	150	MS7510A2008	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
AF24 US	SR	133 lb-in.	On/Off	24 Vac/Vdc	—	—	150	MS8120A1007	175 lb-in.	On/Off	24 Vac/Vdc	—	—	45
AF24-S US	SR	133 lb-in.	On/Off	24 Vac/Vdc	—	2	150	MS8120A1205	175 lb-in.	On/Off	24 Vac/Vdc	—	2	45
AF120 US	SR	133 lb-in.	On/Off	120 Vac	—	—	150	MS4120A1001	175 lb-in.	On/Off	100-250 Vac	—	—	45
AF120-S US	SR	133 lb-in.	On/Off	120 Vac	—	2	150	MS4120A1209	175 lb-in.	On/Off	100-250 Vac	—	2	45
AF230 US	SR	133 lb-in.	On/Off	230 Vac	—	—	150	MS4120A1001	175 lb-in.	On/Off	100-250 Vac	—	—	45
AF230-S US	SR	133 lb-in.	On/Off	230 Vac	—	2	150	MS4120A1209	175 lb-in.	On/Off	100-250 Vac	—	2	45
AF24-SR US	SR	133 lb-in.	2-10 Vdc (4-20 mA)	24 Vac/Vdc	2-10 Vdc	—	150	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
AF24-MFT US	SR	133 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	—	150	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
AF24-MFT-S US	SR	133 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	2	150	MS7520A2205	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
AF24-MFT-S US	SR	133 lb-in.	MFT	24 Vac/Vdc	2-10 Vdc	2	150	MS7520H2208	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
AF24-MFT95 US	SR	133 lb-in.	0-135 Ohm	24 Vac/Vdc	—	—	150	MS7520A2007 + Q7002B1009	175 lb-in.	0-135 ohm	24 Vac/Vdc	(0) 2-10 Vdc	—	90

Belimo Notes:
 * All models described as (0) 2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2 W resistor across the input at the actuator.

Johnson														
Johnson Model	Fail Safe	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
M9104-AGA-2N	NSR	35 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	90 / 108 (at 60 / 50 Hz)	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9104-AGS-2N	NSR	35 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	90 / 108 (at 60 / 50 Hz)	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9106-IGA-2	NSR	53 lb-in. & 35 lb-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	Selectable: 60, 90, 120, 330, or 660 (at 60 Hz). 72, 108, 144, 396, or 792 (at 50 Hz).	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9106-IGC-2	NSR	53 lb-in. & 35 lb-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	Selectable: 60, 90, 120, 330, or 660 (at 60 Hz). 72, 108, 144, 396, or 792 (at 50 Hz).	MN6105A1201	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9106-AGA-2	NSR	53 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	60 / 72 (at 60 / 50 Hz)	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9106-AGA-2N01	NSR	53 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	60 / 72 (at 60 / 50 Hz)	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9106-AGA-2N02	NSR	53 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	120 / 144 (at 60 / 50 Hz)	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9106-AGC-2	NSR	53 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	2	60 / 72 (at 60 / 50 Hz)	MN6110A1201	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9106-AGF-2	NSR	53 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	0-10 kOhm	—	60 / 72 (at 60 / 50 Hz)	ML6174B2019 + 200976C	70 lb-in.	On/Off, Floating	24 Vac	0-2 kOhm	—	95
M9106-AGS-2N02	NSR	53 lb-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	120 / 144 (at 60 / 50 Hz)	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9106-GGA-2	NSR	53 lb-in.	(0) 2-10 Vdc, (0) 4 to 20 mA	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	60 / 72 (at 60 / 50 Hz)	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9106-GGC-2	NSR	53 lb-in.	(0) 2-10 Vdc, (0) 4 to 20 mA	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	60 / 72 (at 60 / 50 Hz)	MN7510A2209	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95

Direct Coupled Actuators

Johnson (cont.)														
Johnson Model	Fail Safe	Torque (lb.-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb.-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
M9108-AGA-2	NSR	70 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	25-50 to r0-70 lb.-in., 30 at 50% load.	MN6110A1003	88 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9108-AGC-2	NSR	70 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	25-50 for 0-70 lb.-in., 30 at 50% load.	MN6110A1201	88 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9108-AGD-2	NSR	70 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-135 Ohm	—	25-50 for 0-70 lb.-in., 30 at 50% load.	ML6174B2019 + 200976A	70 lb.-in.	On/Off, Floating	24 Vac	0-500 Ohm	—	95
M9108-AGE-2	NSR	70 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-1 kOhm	—	25-50 for 0-70 lb.-in., 30 at 50% load.	ML6174B2019 + 200976C	70 lb.-in.	On/Off, Floating	24 Vac	0-2 kOhm	—	95
M9108-GGA-2	NSR	70 lb.-in.	0-20 Vdc (selectable zero and span), (0) 4 to 20 mA, Reversible.	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	25-50 for 0-70 lb.-in., 30 at 50% load.	MN7510A2001	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9108-GGC-2	NSR	70 lb.-in.	0-20 Vdc (selectable zero and span), (0) 4 to 20 mA, Reversible.	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	25-50 for 0-70 lb.-in., 30 at 50% load.	MN7510A2209	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9108-HGA-2	NSR	70 lb.-in.	0-20 Vdc (adjustable zero and span), (0) 4 to 20 mA, Reversible.	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	25-50 for 0-70 lb.-in., 30 at 50% load.	MN7510A2001	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9108-HGC-2	NSR	70 lb.-in.	0-20 Vdc (adjustable zero and span), (0) 4 to 20 mA, Reversible.	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	25-50 for 0-70 lb.-in., 30 at 50% load.	MN7510A2209	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9109-AGA-2	NSR	80 lb.-in.	Floating	20 to 30 Vac at 50/60 Hz	—	—	60 / 72 (at 60 / 50 Hz)	MN6110A1003	88 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9109-AGC-2	NSR	80 lb.-in.	Floating	20 to 30 Vac at 50/60 Hz	—	2	60 / 72 (at 60 / 50 Hz)	MN6110A1201	88 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9109-GGA-2	NSR	80 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	60 / 72 (at 60 / 50 Hz)	MN7510A2001	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9109-GGC-2	NSR	80 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	60 / 72 (at 60 / 50 Hz)	MN7510A2209	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9116-AGA-2	NSR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	70-115 for 0-140 lb.-in., 80 at 50% load.	MN6120A1002	175 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9116-AGC-2	NSR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	70-115 for 0-140 lb.-in., 80 at 50% load.	MN6120A1200	175 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9116-AGD-2	NSR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-135 Ohm	—	70-115 for 0-140 lb.-in., 80 at 50% load.	MN6120A1002	175 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9116-AGE-2	NSR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-1 kOhm	—	70-115 for 0-140 lb.-in., 80 at 50% load.	MN6120A1002	175 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9116-GGA-2	NSR	140 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	70-115 for 0-140 lb.-in., 80 at 50% load.	MN7220A2007	175 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9116-GGC-2	NSR	140 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	70-115 for 0-140 lb.-in., 80 at 50% load.	MN7220A2205	175 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9116-HGA-2	NSR	140 lb.-in. & 280 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	70-115 for 0-140 lb.-in., 80 at 50% load.	MN7220A2007	175 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9116-HGC-2	NSR	140 lb.-in. & 280 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	70-115 for 0-140 lb.-in., 80 at 50% load.	MN7220A2205	175 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9124-AGA-2	NSR	210 lb.-in. & 420 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	115-175 for 0-210 lb.-in., 130 at 50% load.	MN6134A1003	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9124-AGC-2	NSR	210 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	115-175 for 0-210 lb.-in., 130 at 50% load.	MN6134A1003 + SW2	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9124-AGD-2	NSR	210 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-1 35 Ohm	—	115-175 for 0-210 lb.-in., 130 at 50% load.	MN6134A1003	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9124-AGE-2	NSR	210 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-1 kOhm	—	115-175 for 0-210 lb.-in., 130 at 50% load.	MN6134A1003	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9124-GGA-2	NSR	210 lb.-in. & 420 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	115-175 for 0-210 lb.-in., 130 at 50% load.	MN7234A2008	300 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9124-GGC-2	NSR	210 lb.-in. & 420 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	115-175 for 0-210 lb.-in., 130 at 50% load.	MN7234A2008 + SW2	300 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9124-HGA-2	NSR	210 lb.-in. & 420 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	—	115-175 for 0-210 lb.-in., 130 at 50% load.	MN7234A2008	300 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9124-HGC-2	NSR	210 lb.-in. & 420 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span selection.	2	115-175 for 0-210 lb.-in., 130 at 50% load.	MN7234A2008 + SW2	300 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M9132-AGA-2	NSR	280 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	115-205 for 0-280 lb.-in., 140 at 50% load.	MN6134A1003	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9132-AGC-2	NSR	280 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	115-205 for 0-280 lb.-in., 140 at 50% load.	MN6134A1003 + SW2	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
M9132-AGE-2	NSR	280 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	0-1 kOhm	—	115-205 for 0-280 lb.-in., 140 at 50% load.	MN6134A1003	300 lb.-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
M9132-GGA-2	NSR	280 lb.-in. & 560 lb.-in.	(0) 2-10 Vdc, (0) 4 to 20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span and stroke limits	—	115-205 for 0-280 lb.-in., 140 at 50% load.	MN7234A2008	300 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
M9132-GGC-2	NSR	280 lb.-in. & 560 lb.-in.	(0) 2-10 Vdc, (0) 4 to 20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc). Corresponds to span and stroke limits	2	115-205 for 0-280 lb.-in., 140 at 50% load.	MN7234A2008 + SW2	300 lb.-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
M110AGA-1	SR	25 lb.-in.	On/Off, Floating	24 Vac	—	—	—	MS7503A2030	27 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90

Direct Coupled Actuators

Johnson (cont.)														
Johnson Model	Fail Safe	Torque (lb.-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb.-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
M110AAB-1	SR	25 lb.-in.	On/Off, Floating	120 Vac	—	1		MS4103A1030	27 lb.-in.	On/Off	100-250 Vac	—	—	45
M110AGB-1	SR	25 lb.-in.	On/Off, Floating	24 Vac	—	1		MS7503A2130	27 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
M110GGA-1	SR	25 lb.-in.	(0) 2-10 Vdc, (0) 4 to 20 mA	24 Vac	2-10 Vdc	—		MS7503A2030	27 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M110JGA-1	SR	25 lb.-in.	(0) 2-10 Vdc, (0) 4 to 20 mA	24 Vac	2-10 Vdc	—		MS7503A2030	27 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M110JGB-1	SR	25 lb.-in.	(0) 2-10 Vdc, (0) 4 to 20 mA	24 Vac	2-10 Vdc	1		MS7503A2130	27 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
M9206-BGA-2S	SR	53 lb.-in.	On/Off	20 to 30 Vac at 50/60 Hz	—	—	10-40 for 0-53 lb.-in., 25 at 50% load. Spring return < 70.	MS8110A1008	88 lb.-in.	On/Off	24 Vac/Vdc	—	—	45
M9206-BGB-2S	SR	53 lb.-in.	On/Off	20 to 30 Vac at 50/60 Hz	—	1	10-40 for 0-53 lb.-in., 25 at 50% load. Spring return < 70.	MS8110A1206	88 lb.-in.	On/Off	24 Vac/Vdc	—	2	45
M9206-BAA-2S	SR	53 lb.-in.	On/Off	102 to 132 Vac at 60 Hz	—	—	10-40 for 0-53 lb.-in., 25 at 50% load. Spring return < 70.	MS4110A1002	88 lb.-in.	On/Off	100-250 Vac	—	—	45
M9206-BAB-2S	SR	53 lb.-in.	On/Off	102 to 132 Vac at 60 Hz	—	1	10-40 for 0-53 lb.-in., 25 at 50% load. Spring return < 70.	MS4110A1200	88 lb.-in.	On/Off	100-250 Vac	—	2	45
M9206-AGA-2S	SR	53 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	90	MS7510A2008	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9206-AGA-2MP	SR	53 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	—	90	MS7510A2008	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9206-AGC-2	SR	53 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	90	MS7510A2206	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9206-AGC-2MP	SR	53 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz	—	2	90	MS7510A2206	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9206-GGA-2	SR	53 lb.-in.	(0) 2-10 Vdc, 6-9 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	—	90	MS7510A2008	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9206-GGA-2MP	SR	53 lb.-in.	(0) 2-10 Vdc, 6-9 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	—	90	MS7510A2008	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9206-GGC-2	SR	53 lb.-in.	(0) 2-10 Vdc, 6-9 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	2	90	MS7510A2206	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9206-GGC-2MP	SR	53 lb.-in.	(0) 2-10 Vdc, 6-9 Vdc, (0) 4-20 mA, Reversible	20 to 30 Vac at 50/60 Hz	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	2	90	MS7510A2206	88 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9216-BAA-2	SR	140 lb.-in. & 280 lb.-in.	On/Off	120 Vac	—	—	—	MS4120A1001	175 lb.-in.	On/Off	100-250 Vac	—	—	45
M9216-BAC-2	SR	140 lb.-in. & 280 lb.-in.	On/Off	120 Vac	—	2	—	MS4120A1209	175 lb.-in.	On/Off	100-250 Vac	—	2	45
M9216-BGA-2	SR	140 lb.-in. & 280 lb.-in.	On/Off	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	—	—	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS8120A1007	175 lb.-in.	On/Off	24 Vac/Vdc	—	—	45
M9216-BGC-2	SR	140 lb.-in. & 280 lb.-in.	On/Off	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	—	2	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS8120A1205	175 lb.-in.	On/Off	24 Vac/Vdc	—	2	45
M9216-AGA-2	SR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	—	—	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520A2007	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9216-AGC-2	SR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	—	2	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520A2205	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9216-AGD-2	SR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	0-135 Ohms	—	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520A2007	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9216-AGE-2	SR	140 lb.-in.	On/Off, Floating	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	0-1 kOhms	—	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520A2007	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9216-GGA-2	SR	140 lb.-in. & 280 lb.-in.	0-10 Vdc, 0-20 mA, Reversible	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	—	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520A2007	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
M9216-GGC-2	SR	140 lb.-in. & 280 lb.-in.	0-10 Vdc, 0-20 mA, Reversible	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	2	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520A2205	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9216-HGA-2	SR	140 lb.-in. & 280 lb.-in.	0-10 Vdc, 0-20 mA, Reversible	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	—	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520H2208	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
M9216-HGC-2	SR	140 lb.-in. & 280 lb.-in.	100-10 kOhm Reversible	20 to 30 Vac at 50/60 Hz or 24 Vdc, 420 mA	(0) 2-10 Vdc for 90 (1 mA at 10 Vdc) Corresponds to span and stroke limits	2	70-130 for 0-140 lb.-in., 90 at 50% load. Spring return < 15.	MS7520H2208	175 lb.-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90

Johnson Notes:
 * All models described as (0) 2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2 W resistor across the input at the actuator.

Direct Coupled Actuators

Invensys														
Invensys Model	Fail Safe	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
MF41-6043	NSR	30 lb-in.	Floating	24 Vac	—	—	< 90	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
MF41-6043-502	NSR	30 lb-in.	Floating	24 Vac	—	2	< 90	MN6105A1201	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
MS41-6043	NSR	30 lb-in.	0-10 Vdc	24 Vac	0-10 Vdc	—	< 90	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS41-6043-520	NSR	30 lb-in.	0-10 Vdc (adjustable)	24 Vac	0-10 Vdc	—	< 90	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS41-6043-522	NSR	30 lb-in.	0-10 Vdc (adjustable)	24 Vac	0-10 Vdc	2	< 90	MN7505A2209	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
MS41-6043-502	NSR	30 lb-in.	0-10 Vdc	24 Vac	0-10 Vdc	2	< 90	MN7505A2209	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
MF41-6083	NSR	70 lb-in.	Floating	24 Vac	—	—	< 125	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
MF41-6083-502	NSR	70 lb-in.	Floating	24 Vac	—	2	< 125	MN6110A1201	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
MS41-6083	NSR	70 lb-in.	0-10 Vdc	24 Vac	0-10 Vdc	—	< 125	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS41-6083-520	NSR	70 lb-in.	0-10 Vdc (adjustable)	24 Vac	0-10 Vdc	—	< 125	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS41-6083-522	NSR	70 lb-in.	0-10 Vdc (adjustable)	24 Vac	0-10 Vdc	2	< 125	MN7510A2209	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
MS41-6083-502	NSR	70 lb-in.	0-10 Vdc	24 Vac	0-10 Vdc	2	< 125	MN7510A2209	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
MF41-6153	NSR	133 lb-in.	Floating	24 Vac	—	—	< 125	MN6120A1002	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
MS41-6153	NSR	133 lb-in.	0-10 Vdc	24 Vac	0-10 Vdc	—	< 125	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS41-6153-502	NSR	133 lb-in.	0-10 Vdc	24 Vac	0-10 Vdc	2	< 125	MN7220A2205	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
MF41-6343	NSR	300 lb-in.	Floating	24 Vac	—	—	< 145	MN6134A1003	300 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
MS41-6340	NSR	300 lb-in.	2-10 Vdc, 4-20 mA	120 Vac	—	—	< 145	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS41-6343	NSR	300 lb-in.	2-10 Vdc, 4-20 mA	24 Vac	—	—	< 145	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS4D-6043-100	NSR	35 lb-in.	2-10 Vdc	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS4D-6043-150	NSR	35 lb-in.	0-10 Vdc	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS4D-6043-160	NSR	35 lb-in.	4-20 mA	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS4D-6083-100	NSR	70 lb-in.	2-10 Vdc	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS4D-6083-150	NSR	70 lb-in.	0-10 Vdc	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS4D-6083-160	NSR	70 lb-in.	4-20 mA	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MF4E-60430-100	NSR	35 lb-in.	Floating	24 Vac	—	—	90	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
MF4E-60830-100	NSR	70 lb-in.	Floating	24 Vac	—	—	90	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
MS50-H2301	NSR	300 lb-in.	1-5 Vdc 4-20 mA	24 Vac	—	—	145	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS50-H2001	NSR	300 lb-in.	1-5 Vdc 4-20 mA	120 Vac	—	—	145	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MS50-H2101	NSR	300 lb-in.	1-5 Vdc 4-20 mA	240 Vac	—	—	145	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
MA305	SR	16 lb-in.	On/Off	24 Vac	—	—	—	MS8103A1030	27 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MA305-500	SR	16 lb-in.	On/Off	24 Vac	—	1	—	MS8103A1130	27 lb-in.	On/Off	24 Vac/Vdc	—	1	45
MA405	SR	16 lb-in.	On/Off	120 Vac	—	—	—	MS4103A1030	27 lb-in.	On/Off	100-250 Vac	—	—	45
MA405-500	SR	16 lb-in.	On/Off	120 Vac	—	1	—	MS4103A1130	27 lb-in.	On/Off	100-250 Vac	—	1	45
MA40-7043	SR	35 lb-in.	On/Off	24 Vac, 22-30 Vdc	—	—	< 50	MS8105A1030	44 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MA40-7043-501	SR	35 lb-in.	On/Off	24 Vac, 22-30 Vdc	—	1	< 50	MS8105A1130	44 lb-in.	On/Off	24 Vac/Vdc	—	1	45
MF40-7043	SR	35 lb-in.	Floating	24 Vac, 22-30 Vdc	—	—	< 130	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MF40-7043-501	SR	35 lb-in.	Floating	24 Vac, 22-30 Vdc	—	1	< 130	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
MS40-7043	SR	35 lb-in.	2-10 Vdc, 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 130	MS7505A2030	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS40-7043-501	SR	35 lb-in.	2-10 Vdc, 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	1	< 130	MS7505A2130	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	1	90
MA41-7073	SR	60 lb-in.	On/Off	24 Vac, 22-30 Vdc	—	—	< 80	MS8110A1008	88 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MA41-7073-502	SR	60 lb-in.	On/Off	24 Vac, 22-30 Vdc	—	2	< 80	MS8110A1206	88 lb-in.	On/Off	24 Vac/Vdc	—	2	45
MF41-7073	SR	60 lb-in.	Floating	24 Vac, 22-30 Vdc	—	—	< 195	MS7510A2008	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MF41-7073-502	SR	60 lb-in.	Floating	24 Vac, 22-30 Vdc	—	2	< 195	MS7510A2206	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
MS41-7073	SR	60 lb-in.	2-10 Vdc 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 195	MS7510A2008	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS41-7073-502	SR	60 lb-in.	2-10 Vdc 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	2	< 195	MS7510A2206	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
MA41-7153	SR	133 lb-in.	On/Off	24 Vac, 22-30 Vdc	—	—	< 190	MS8120A1007	175 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MA41-7153-502	SR	133 lb-in.	On/Off	24 Vac, 22-30 Vdc	—	2	< 190	MS8120A1205	175 lb-in.	On/Off	24 Vac/Vdc	—	2	45
MF41-7153	SR	133 lb-in.	Floating	24 Vac, 22-30 Vdc	—	—	< 190	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MF41-7153-502	SR	133 lb-in.	Floating	24 Vac, 22-30 Vdc	—	2	< 190	MS7520A2205	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
MS41-7153	SR	133 lb-in.	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 190	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS41-7153-502	SR	133 lb-in.	2-10 Vdc	24 Vac, 22-30 Vdc	2-10 Vdc	2	< 190	MS7520A2205	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
MA40-7170	SR	150 lb-in.	On/Off	120 Vac	—	—	< 145	MS4120A1001	175 lb-in.	On/Off	100-250 Vac	—	—	45
MA40-7173	SR	150 lb-in.	On/Off	24 Vac ±20%	—	—	< 145	MS8120A1007	175 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MF40-7173	SR	150 lb-in.	Floating	24 Vac ±20%	—	—	< 145	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS40-7170	SR	150 lb-in.	2-10 Vdc 4-20 mA	120 Vac	—	—	< 145	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS40-7173	SR	150 lb-in.	2-10 Vdc 4-20 mA	24 Vac ±20%	—	—	< 145	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MA4D-7033-100	SR	30 lb-in.	On/Off	24 Vac, 20-30 Vdc	—	—	< 56	MS8105A1008	44 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MA4D-8033-100	SR	30 lb-in.	On/Off	24 Vac, 20-30 Vdc	—	—	< 56	MS8105A1008	44 lb-in.	On/Off	24 Vac/Vdc	—	—	45
MF4D-7033-100	SR	30 lb-in.	Floating	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MF4D-8033-100	SR	30 lb-in.	Floating	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS4D-7033-100	SR	30 lb-in.	(0) 2-10 Vdc, 4-20 mA	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS4D-7033-150	SR	30 lb-in.	(0) 2-10 Vdc, 4-20 mA	24 Vac, 20-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS4D-7033-160	SR	30 lb-in.	(0) 2-10 Vdc, 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS4D-8033-100	SR	30 lb-in.	(0) 2-10 Vdc, 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS4D-8033-150	SR	30 lb-in.	(0) 2-10 Vdc, 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS4D-8033-160	SR	30 lb-in.	(0) 2-10 Vdc, 4-20 mA	24 Vac, 22-30 Vdc	2-10 Vdc	—	< 85	MS7505A2008	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS50-E2301	SR	150 lb-in.	1-5 Vdc 4-20 mA	24 Vac	—	—	145	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS50-E2001	SR	150 lb-in.	1-5 Vdc 4-20 mA	120 Vac	—	—	145	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
MS50-E2101	SR	150 lb-in.	1-5 Vdc 4-20 mA	240 Vac	—	—	145	MS7520A2007	175 lb-in.	On/Off	24 Vac/Vdc	(0) 2-10 Vdc	—	90

Invensys Notes:
 *All models described as (0) 2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2 W resistor across the input at the actuator.

Direct Coupled Actuators

Siemens														
Siemens Model	Fail Safe	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)	Honeywell Model	Torque (lb-in.)	Control Signal	Power	Feedback	Switches	Timing (sec)
GDE131.1U	NSR	44 lb-in.	Floating	24 Vac	—	—	90	MN6105A1011	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GDE161.1P	NSR	44 lb-in.	0-10 Vdc	24 Vac	0-1k0hm	—	90	MN7505A2001	44 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GDE132.1P	NSR	44 lb-in.	Floating	24 Vac	0-1k0hm	—	90	ML6174A2002 + 200976C	70 lb-in.	On/Off, Floating	24 Vac	0-2 k0hm	—	95
GDE136.1P	NSR	44 lb-in.	Floating	24 Vac	—	2	90	MN6105A1201	44 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
GLB131.1P	NSR	88 lb-in.	Floating	24 Vac	—	—	125	MN6110A1003	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GLB161.1P	NSR	88 lb-in.	0-10 Vdc	24 Vac	—	—	125	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GLB132.1P	NSR	88 lb-in.	Floating	24 Vac	0-1k0hm	—	125	ML6174A2002 + 200976C	70 lb-in.	On/Off, Floating	24 Vac	0-2 k0hm	—	95
GLB136.1P	NSR	88 lb-in.	Floating	24 Vac	—	2	125	MN6110A1201	88 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
GLB163.1P	NSR	88 lb-in.	0-10 Vdc	24 Vac	—	—	125	MN7510A2001	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GLB166.1P	NSR	88 lb-in.	0-10 Vdc	24 Vac	—	2	125	MN7510A2209	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	95
GEB131.1U	NSR	132 lb-in.	Floating	24 Vac	—	—	125	MN6120A1002	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GEB136.1U	NSR	132 lb-in.	Floating	24 Vac	—	2	125	MN6120A1200	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
GBB171.1P	NSR	177 lb-in.	On/Off, Floating	24 Vac	—	—	150	MN6120A1002	175 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GBB161.1P	NSR	177 lb-in.	0-10 Vdc	24 Vac	—	—	150	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GBB151.1P	NSR	177 lb-in.	4-20 mA	24 Vac	—	—	150	MN7220A2007	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GBB166.1P	NSR	177 lb-in.	0-10 Vdc	24 Vac	—	2	150	MN7220A2205	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
GBB156.1P	NSR	177 lb-in.	4-20 mA	24 Vac	—	2	150	MN7220A2205	175 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
GIB131.1U	NSR	310 lb-in.	Floating	24 Vac	—	—	150	MN6134A1003	300 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GIB136.1U	NSR	310 lb-in.,	Floating	24 Vac	—	2	150	MN6134A1003 + SW2	300 lb-in.	On/Off, Floating	24 Vac/Vdc	—	2	95
GIB171.1U	NSR	310 lb-in.,	On/Off, Floating	24 Vac	—	—	150	MN6134A1003	300 lb-in.	On/Off, Floating	24 Vac/Vdc	—	—	95
GIB161.1U	NSR	310 lb-in.,	0-10 Vdc	24 Vac	—	—	150	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GIB151.1U	NSR	310 lb-in.,	4-20 mA	24 Vac	—	—	150	MN7234A2008	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	—	95
GIB166.1U	NSR	310 lb-in.	0-10 Vdc	24 Vac	—	2	150	MN7234A2008 + SW2	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
GIB156.1U	NSR	310 lb-in.	4-20 mA	24 Vac	—	2	150	MN7234A2008 + SW2	300 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc	(0) 2-10 Vdc	2	95
GMA121.1U	SR	62 lb-in.	On/Off	24 Vac	—	—	90	MS8110A1008	88 lb-in.	On/Off	24 Vac/Vdc	—	—	45
GMA151.1U	SR	62 lb-in.	2-10 Vdc	24 Vac/ Vdc	0-1k0hm	—	90	ML7174A2001 + 200976C	70 lb-in.	(0) 2-10 Vdc, (0) 4-20 mA	24 Vac/Vdc,	0-2 k0hm	—	95
GMA221.1U	SR	62 lb-in.	On/Off	120 Vac	—	—	90	MS4110A1002	88 lb-in.	On/Off	100-250 Vac	—	—	45
GMA131.1U	SR	62 lb-in.	Floating	24 Vac/ Vdc	—	—	90	MS7510A2008	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
GMA126.1U	SR	62 lb-in.	On/Off	24 Vac	—	2	90	MS8110A1206	88 lb-in.	On/Off	24 Vac/Vdc	—	2	45
GMA226.1U	SR	62 lb-in.	On/Off	120 Vac	—	2	90	MS4110A1200	88 lb-in.	On/Off	100-250 Vac	—	2	45
GMA136.1U	SR	62 lb-in.	Floating	24 Vac	—	2	90	MS7510A2206	88 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc,	(0) 2-10 Vdc	2	90
GCA121.1U	SR	142 lb-in.,	On/Off	24 Vac	—	—	90	MS8120A1007	175 lb-in.	On/Off	24 Vac/Vdc	—	—	45
GCA221.1U	SR	142 lb-in.,	On/Off	120 Vac	—	—	90	MS4120A1001	175 lb-in.	On/Off	100-250 Vac	—	—	45
GCA151.1U	SR	142 lb-in.,	4-20 mA	24 Vac	—	—	90	MS7520A2007	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	—	90
GCA126.1U	SR	142 lb-in.,	On/Off	24 Vac	—	2	90	MS8120A1205	175 lb-in.	On/Off	24 Vac/Vdc	—	2	45
GCA226.1U	SR	142 lb-in.,	On/Off	120 Vac	—	2	90	MS4120A1209	175 lb-in.	On/Off	100-250 Vac	—	2	45
GCA166.1U	SR	142 lb-in.,	0-10 Vdc	24 Vac	—	2	90	MS7520A2205	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90
GCA156.1U	SR	142 lb-in.,	4-20 mA	24 Vac	—	2	90	MS7520A2205	175 lb-in.	On/Off, Floating, (0) 2-10 Vdc	24 Vac/Vdc	(0) 2-10 Vdc	2	90

Siemens Notes:

* All models described as (0) 2-10 Vdc can be used with a 4-20 mA control input. Shunt a 500 ohm, 1/2 W resistor across the input at the actuator.

Learn More

For more information on Honeywell Actuators, call **1-800-466-3993** or visit customer.honeywell.com.

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