

# WL Accessory Burden Data

## Motor Burden (Current Drawn at Nominal Voltage)

Catalog Number	Rated Voltage		Minimum voltage	Maximum voltage	minimum current @ 20°C	maximum current @ 20°C
WLELCMTR24 (S)	24 V d.c.	DC	20.4	26.4	3.7 A	14.4 A
WLELCMTR48 (S)	48 V d.c.	DC	40.8	52.8	2.1 A	5.8 A
WLELCMTR120 (S)	125 V d.c.	DC	93.5	137.5	0.9 A	3.0 A
	120 V a.c.	AC	93.5	139.7	1.2 A	4.1 A
WLELCMTR240 (S)	220 V a.c.	AC	187	275	0.5 A	2.1 A
	250 V d.c.	DC	176.8	264	0.8 A	3.0 A

## Continuous Duty Shunt Trip & Closing Coil (UL489 ONLY)

Catalog Number	Nominal voltage		Minimum voltage	Maximum voltage	Coil resistance Min	Coil resistance Max	rated current @ 20°C 50 ms after energizing	minimum current @ 20°C 50 ms after energizing	maximum current @ 20°C 50 ms after energizing	Peak inrush current for 50ms after energizing
WLSTCD24	24 V d.c.	DC	16.8	26.4	31.50 Ω	33.00 Ω	0.76 A	0.51 A	0.84 A	8.33 A
WLSTCD48	48 V d.c.	DC	33.6	52.8	142.50 Ω	157.5 Ω	0.34 A	0.21 A	0.37 A	4.17 A
WLSTCD120	125 V d.c.	DC	77	121	693.50 Ω	766.5 Ω	0.18 A	0.10 A	0.17 A	1.60 A
	120 V a.c.	AC	77	121						1.67 A
WLSTCD240	250 V d.c.	DC	154	242	2850.00 Ω	3150.0 Ω	0.09 A	0.05 A	0.08 A	0.80 A
	220 V a.c.	AC	161	253						0.91 A
all values without pickup current										based on 200VA load

## Intermittent Duty Shunt Trip & Closing Coil (5% on-time) (ANSI & UL489)

Catalog Number	Rated voltage		Minimum voltage	Maximum voltage	Coil resistance Min	Coil resistance Max	rated current @ 20°C 50 ms after energizing	minimum current @ 20°C 50 ms after energizing	maximum current @ 20°C 50 ms after energizing	Peak inrush current for 50ms after energizing
WLST24	24 V d.c.	DC	14	28	7.32 Ω	8.09 Ω	3.279 A	1.73 A	3.83 A	8.33 A
WLST48	48 V d.c.	DC	28	56	27.14 Ω	30.00 Ω	1.769 A	0.93 A	2.06 A	4.17 A
WLST120	125 V d.c.	DC	70	140	218.50 Ω	241.5 Ω	0.572 A	0.29 A	0.64 A	1.60 A
	120 V a.c.	AC	66	140			0.549 A	0.27 A	0.64 A	1.67 A
WLST240	250 V d.c.	DC	140	280	693.50 Ω	766.5 Ω	0.360 A	0.18 A	0.40 A	0.80 A
	220 V a.c.	AC					0.317 A			0.91 A
all values without pickup current										based on 200VA load

## Undervoltage Release Continuous Duty (ANSI & UL489)

Catalog Number	Rated voltage		Minimum voltage	Maximum voltage	Coil resistance Min	Coil resistance Max	rated current @ 20°C 50 ms after energizing	minimum current @ 20°C 50 ms after energizing	maximum current @ 20°C 50 ms after energizing	Peak inrush current for 50ms after energizing
WLUV24	24 V d.c.	DC	20.4	30.2	33.25 Ω	36.75 Ω	0.7 A	0.56 A	0.91 A	8.33 A
WLUV48	48 V d.c.	DC	40.8	60.5	142.50 Ω	157.50 Ω	337 mA	259 mA	425 mA	4.17 A
WLUV120	125 V d.c.	DC	93.5	140	693.50 Ω	766.50 Ω	180 mA	122 mA	202 mA	1.60 A
	120 V a.c.	AC	93.5	140			173 mA	122 mA	202 mA	1.67 A
WLUV240	250 V d.c.	DC	187	280	2850.00 Ω	3150.00 Ω	88 mA	59 mA	98 mA	0.80 A
	220 V a.c.	AC	176.8	264			77 mA	56 mA	93 mA	0.91 A
all values without pickup current										based on 200VA load

## Delayed Undervoltage Release Intermittent Duty (5% on-time) (ANSI & UL489)

Catalog Number	Rated Voltage		Minimum voltage	Maximum voltage	Coil resistance Min	Coil resistance Max	rated current @ 20°C 50 ms after energizing	minimum current @ 20°C 50 ms after energizing	maximum current @ 20°C 50 ms after energizing	Peak inrush current for 50ms after energizing
WLUV48	48 V d.c.	DC	40.8	60.5	142.50 Ω	157.50 Ω	337 mA	259 mA	425 mA	4.17 A
WLUV120	125 V d.c.	DC	93.5	140	693.50 Ω	766.50 Ω	180 mA	122 mA	202 mA	1.60 A
	120 V a.c.	AC	93.5	140			173 mA	122 mA	202 mA	1.67 A
WLUV240	250 V d.c.	DC	187	280	2850.00 Ω	3150.00 Ω	88 mA	59 mA	98 mA	0.80 A
	220 V a.c.	AC	176.8	264			77 mA	56 mA	93 mA	0.91 A
all values without pickup current										based on 200VA load

## Reset Solenoid for Tripped Indicator (1% on-time) (ANSI & UL489)

Catalog Number	Rated Voltage		Minimum voltage	Maximum voltage	Coil resistance Min	Coil resistance Max	rated current @ 20°C 50 ms after energizing	minimum current @ 20°C 50 ms after energizing	maximum current @ 20°C 50 ms after energizing	Peak inrush current for 50ms after energizing
WLRSET24	24 V d.c.	DC	20.4	26.4	14.00 Ω	15.30 Ω	1.71 A	1.33 A	1.89 A	8.33 A
WLRSET48	48 V d.c.	DC	40.8	52.8	55.80 Ω	61.40 Ω	0.86 A	0.66 A	0.95 A	4.17 A
WLRSET120	125 V d.c.	AC	93.5	137.5	379.00 Ω	416.00 Ω	330 mA	225 mA	363 mA	1.60 A
	120 V a.c.	AC	93.5	139.7			317 mA	225 mA	369 mA	1.67 A
WLRSET240	250 V d.c.	DC	187	275	1375.00 Ω	1515.00 Ω	182 mA	123 mA	200 mA	0.80 A
	220 V a.c.	AC					160 mA			0.91 A
all values without pickup current										based on 200VA load