

# Coils and Electronics

## J series

23W ToughCoil

### ■ PERFORMANCE DATA

<b>Duty cycle</b>	100% at 110% of rated voltage
<b>Magnet wire insulation</b>	U.L. class N, 200°C [392°F] NEMA pub. No. MW 1000, section MW 35 – C [single]
<b>Ambient temperature</b>	100°C [212°F] continuous @ rated voltage
<b>Input Voltage Range</b>	85% to 110% of rated voltage
<b>UL Rated (certificate available upon request)</b>	

### ■ ENVIRONMENT PROTECTION

Rating	Connector Type
IP65	G0*
IP67	Y0, W0
IP69K	NO, DO, JO
Thermal shock dunk	W0 <sup>1</sup> , NO, DO, JO

<sup>1</sup>Passed environmental testing, but not as robust as other connectors

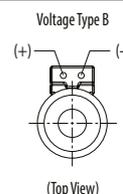
\*Rating dependent on mating connector

### ■ ELECTRICAL SPECIFICATIONS

Voltage	12 VDC	24 VDC	115 VAC	230 VAC
Current (A)	1.92	0.96	0.22	0.11
Power (W)	23	23	23	23

\*Nominal voltage 25°C (77°F).

### Diode Information



Flyback diode (arc suppressor), maximum recurrent peak reverse voltage - 800V

### ■ MODEL CODE

**MCSC - J - 012 - D - G0 - 0 - 00 - 10**

**Coil Series**  
J - Size 10, 12, 16, 20 [210 Bar]

**Coil Voltage**

Code	Coil Voltage
012	12 volt
024	24 volt
115	115 volt
230	230 volt

**Voltage Type**  
D - DC  
B - DC/with flyback diode  
A - AC/with full bridge rectifier

**Lead Length**  
0 - None  
A - 152mm [6.0 in] (Standard length with connector)  
B - 610mm [24.0 in] (Standard length without connector)

**Connector Type**  
G0 - ISO 4400 DIN 43650  
Q0 - Spade terminals  
W0 - Flying lead  
NO - Deutsch (DC only)  
YO - Amp JR (DC only)  
DO - Metripack 150 male (DC only)  
JO - Metripack 280 male (DC only)

### ■ PART NUMBERS - (300AA00\_\_\_\_\_ - COMPLETE PART NUMBER IS 11 DIGITS)

Voltage	G0** Connector	Q0 Connector	W0 Connector	NO Connector	YO Connector	DO Connector	JO Connector
12VDC	081A	089A	095A	101A	106A	111A	116A
24VDC	082A	090A	096A	102A	107A	112A	117A
115VAC	085A						
230VAC	086A						
12VDC*	087A	093A	099A	104A	109A	114A	119A
24VDC*	088A	094A	100A	105A	110A	115A	120A

\*With flyback diode. (Voltage Type B)

\*\*DIN 43560 mating connector for "G0" style coil – 02-166796 or AXP14116.

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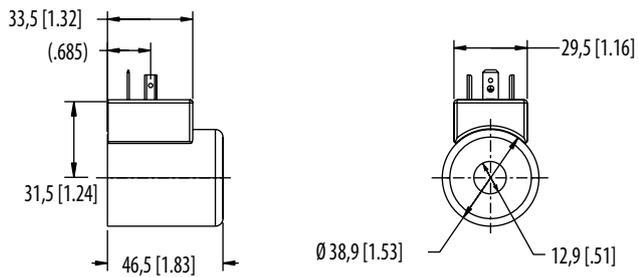
## J series

23W ToughCoil

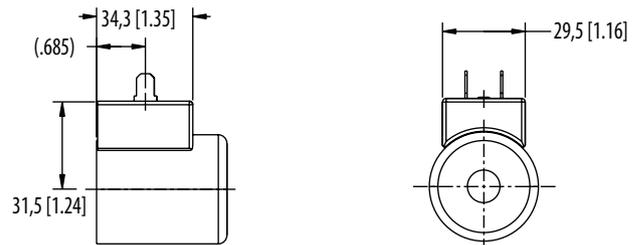
### ■ DIMENSIONS

mm [in]

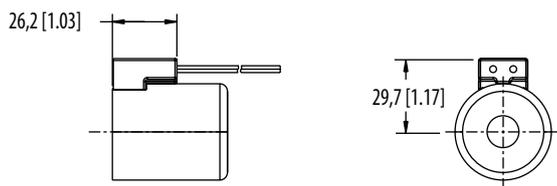
**G0**  
DIN 43650



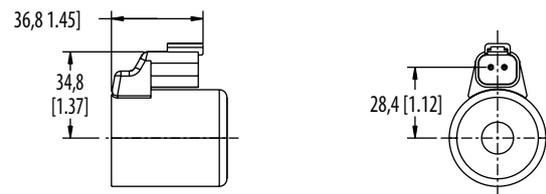
**Q0**  
Spade connector



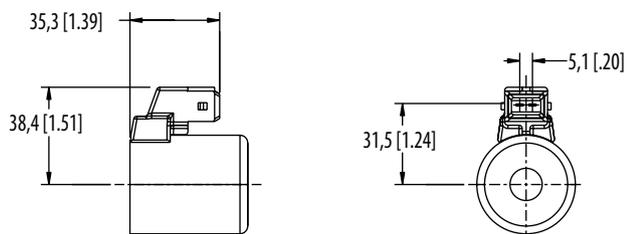
**W0**  
Leadwire



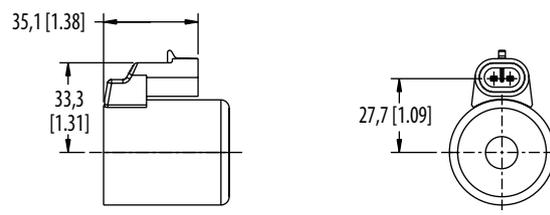
**N0**  
Deutsch male DT04-2P integrated connector



**Y0**  
AMP Junior timer integrated connector



**D0**  
Metri-Pack 150 Male, integrated connector



**J0**  
Metri-Pack 280 Male, integrated connector

