

COILS



Section / Description	page
<b>STANDARD</b> .....	CT4
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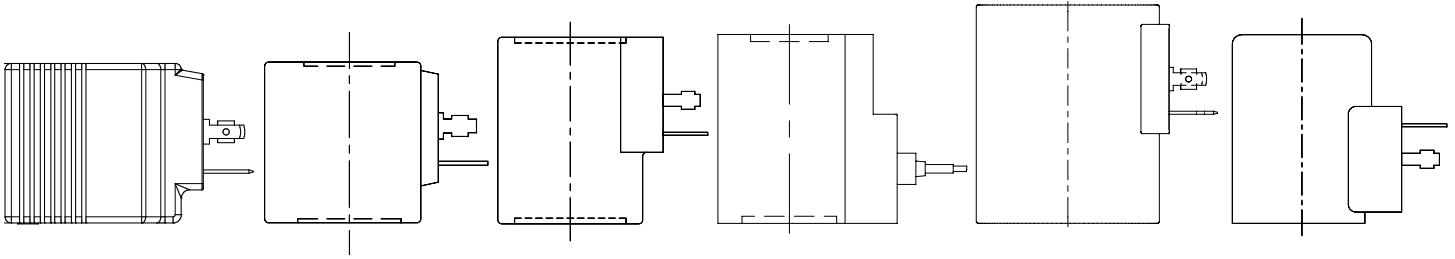


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<https://oilsolutions.com.au/>

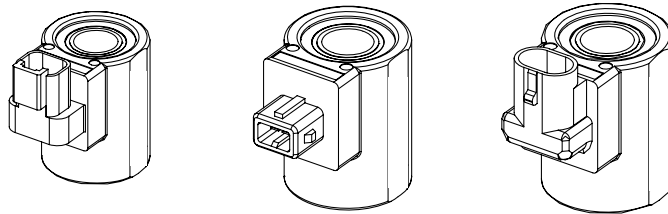
[sales@oilsolutions.com.au](mailto:sales@oilsolutions.com.au)

COIL DATA



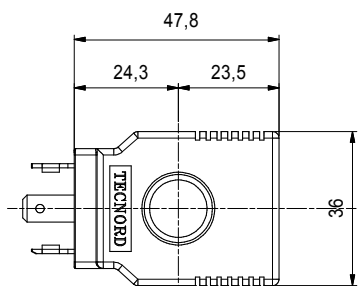
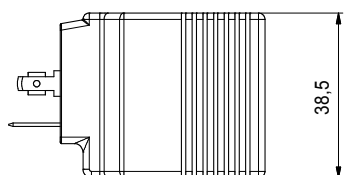
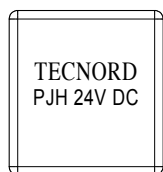
STANDARD COILS

TYPE	ID	WIDTH	HEIGHT	PAGE
PJ	13.2	36	38.5	CT4
A	13.2	30	39	CT5
V	13.2	37.5	50	CT6
W	16.1	37.5	50	CT7
Z	19.1	46.5	56	CT8
F	19.1	37	50	CT9



IMMERSION PROOF “I” COILS

TYPE	ID	WIDTH	HEIGHT	PAGE
PI	13.2	37.5	43	CT10
DI	13.2	37.5	50	CT11
LI	16.1	37.5	50	CT12

**“P” TYPE “J” COIL****DESCRIPTION**

1/2 inch (13 mm) I.D. Coil.

Color identification: black

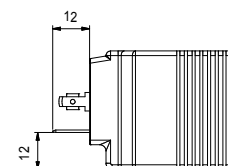
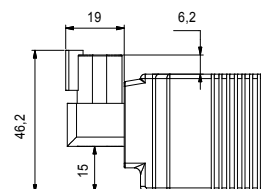
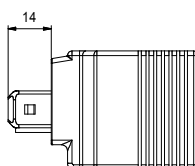
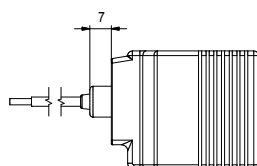
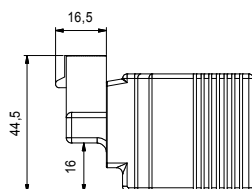
**FEATURES**

One piece encapsulated design that is:

- Weatherproof
- Immersion proof
- Thermal shock/dunk tested
- No external metal shell
- Internal arc suppression diode available on request

**COIL SPECIFICATION**

Wattage	21 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H
Heat insulation Class	F
Ambient Temperature Range	-30° to 60°C
Encapsulation Material	Thermo-Plastic, resistant to moisture, caustic solutions, fungus, and vibrations

**JA****JL****JJ****JD****JH****ORDERING INFORMATION****P -****-****TERMINATIONS**

“J” Coil AMP Superseal - Integral  
 “J” Coil Double lead  
 “J” Coil AMP Jr. Timer - Integral  
 “J” Coil Deutsch - Integral DT04-2P  
 “J” Coil DIN 43650 (Hirschmann)

**JA**  
**JL**  
**JJ**  
**JD**  
**JH**

**12**  
**24**  
**26**

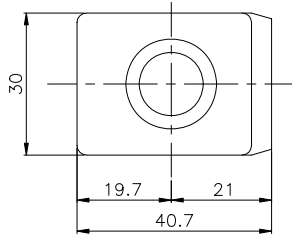
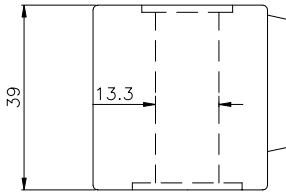
**VOLTAGE**

12 VDC / 6.8 Ohm  
 24 VDC / 27 Ohm  
 26 VDC / 32 Ohm

Approximate Coil Weight: .42 lbs (.19 kg)

**WARNING:** the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

**“A” TYPE COIL**



**DESCRIPTION**

1/2 inch (13 mm) I.D. Coil.  
Color identification: black

**FEATURES**

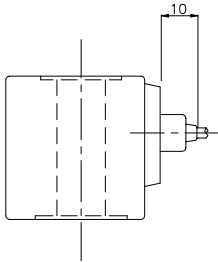
One piece encapsulated design that is:

- Immersion proof
- No external metal shell
- Internal arc suppression diode available on request

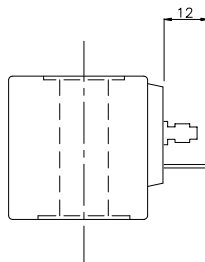
**COIL SPECIFICATION**

Wattage	18 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H (200°C)
Heat insulation Class	H (180°C)
Ambient Temperature Range	-30° to 60°C
Protection degree	Up to IP 65 (with connector and suitable seals)
Encapsulation Material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibration

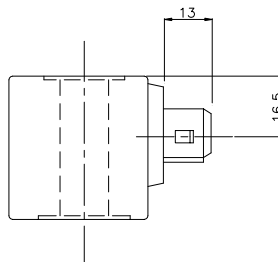
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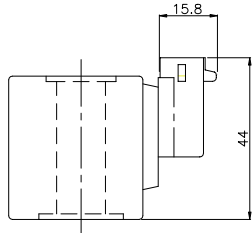
**AHC**



**AJT**



**AMP**



**ORDERING INFORMATION**

<b>A</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TERMINATIONS</b>			
Double Lead	<b>DL</b>	<b>12</b>	
DIN 43650 (Hirschmann)	<b>HC</b>	<b>24</b>	
AMP Junior Timer - Integral	<b>JT</b>	<b>22</b>	
Metri-Pack - Integral	<b>MP</b>		

**VOLTAGE**

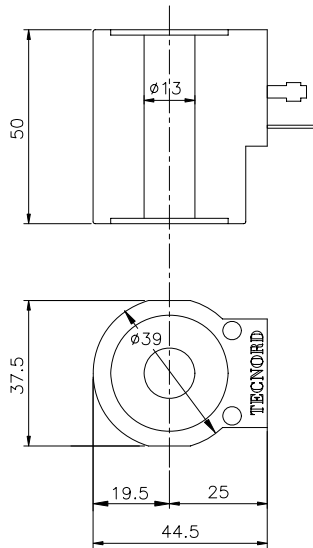
12 VDC / 1.5 A  
24 VDC / 0.75 A  
220 VAC / rectified 0.06 A  
*without internal rectifier (for HC termination only)*  
*supply voltage must be externally rectified*

Approximate Coil Weight: .42 lbs (.19 kg)

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“V” TYPE COIL



DESCRIPTION

1/2 inch (13 mm) I.D. Coil.  
Color identification: black

FEATURES

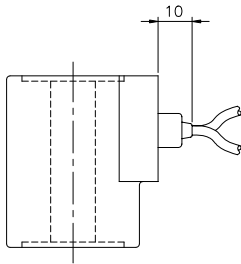
One piece encapsulated design that is:

- Immersion proof
- No external metal shell
- Internal arc suppression diode available on request

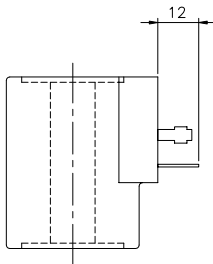
COIL SPECIFICATION

Wattage	24 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H (200°C)
Heat insulation Class	H (180°C)
Ambient Temperature Range	-30° to 60°C
Protection degree	Up to IP 65 (with connector and suitable seals)
Encapsulation Material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibration

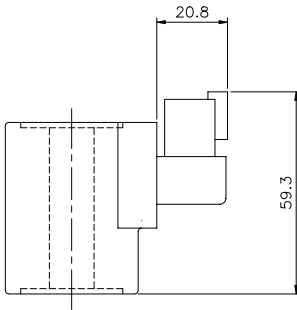
VDL



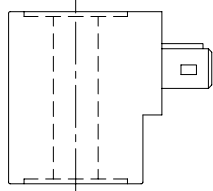
VHC



VDI



VJT



ORDERING INFORMATION

TERMINATIONS	V	-	-
Double Lead	DL	12	
DIN 43650 (Hirschmann)	HC	24	
AMP Junior Timer - Integral	JT	22	
Deutsch - Integral DT04-2P	DI		

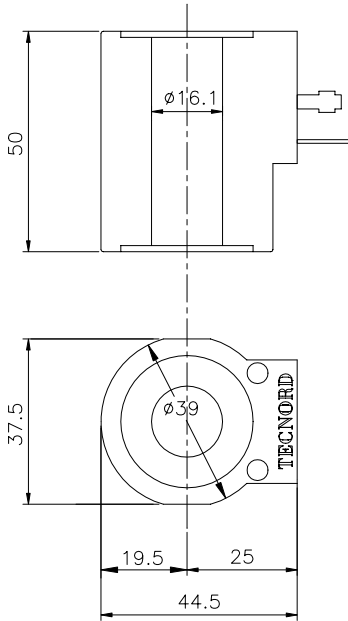
VOLTAGE

12 VDC / 2.03 A  
24 VDC / 1.01 A  
220 VAC / rectified 0.06 A  
*without internal rectifier (for HC termination only)  
supply voltage must be externally rectified*

Approximate Coil Weight: .56 lbs (.25 kg)

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**“W” TYPE COIL**



**DESCRIPTION**

5/8 inch (16 mm) I.D. Coil.  
Color identification: black

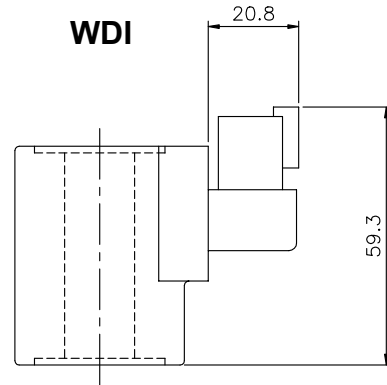
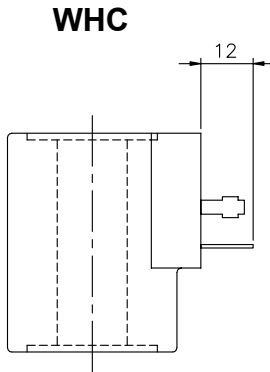
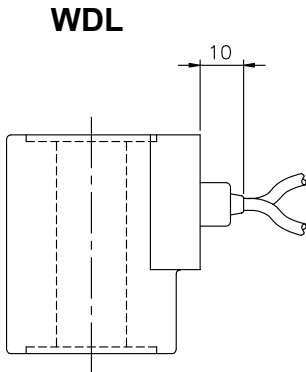
**FEATURES**

One piece encapsulated design that is:

- Immersion proof
- No external metal shell
- Internal arc suppression diode available on request

**COIL SPECIFICATION**

Wattage	24 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H (200°C)
Heat insulation Class	H (180°C)
Ambient Temperature Range	-30° to 60°C
Protection degree	Up to IP 65 (with connector and suitable seals)
Encapsulation Material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibration



**ORDERING INFORMATION**

W	-	-
<b>TERMINATIONS</b>		
Double Lead	<b>DL</b>	<b>12</b>
DIN 43650 (Hirschmann)	<b>HC</b>	<b>24</b>
Deutsch - Integral DT04-2P	<b>DI</b>	<b>22</b>

**VOLTAGE**

12 VDC / 2.03 A  
24 VDC / 1.01 A  
220 VAC / rectified 0.06 A  
*without internal rectifier (for HC termination only)  
supply voltage must be externally rectified*

Approximate Coil Weight: .69 lbs (.31 kg)

“Z” TYPE COIL

DESCRIPTION

3/4 inch (19 mm) I.D. Coil.  
Color identification: black

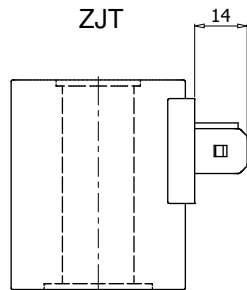
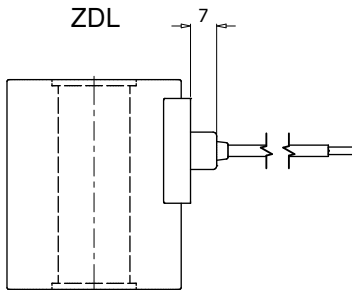
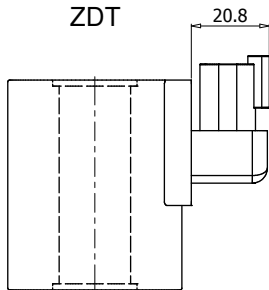
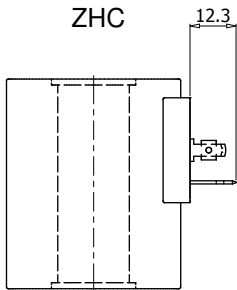
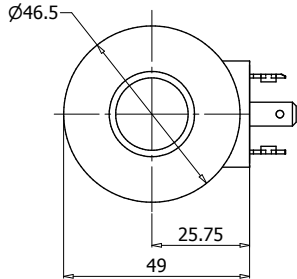
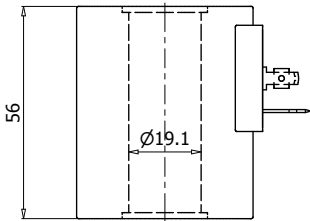
FEATURES

One piece encapsulated design that is:

- Immersion proof
- No external metal shell
- Internal arc suppression diode available on request

COIL SPECIFICATION

Wattage	26 Watts Nominal
Duty Rating	Continuous Duty ±10% rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H
Heat insulation Class	F
Ambient Temperature Range	-30° to 60°C
Protection degree	Up to IP 65 (with connector and suitable seals)
Encapsulation Material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibration



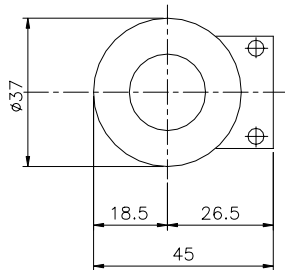
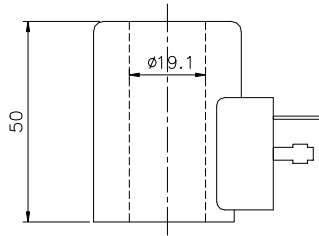
ORDERING INFORMATION

Z -		-		VOLTAGE
TERMINATIONS				
Double Lead (L=230mm)	DL	12		12 VDC
DIN 43650 (Hirschmann)	HC	24		24 VDC
AMP Junior Timer - Integral	JT			
Deutsch - Integral DT04-2P	DI			

Approximate Coil Weight: .56 lbs (.25 kg)

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**“F” TYPE COIL**



**DESCRIPTION**

3/4 inch (19 mm) I.D. Coil.  
Color identification: silver metallic envelope

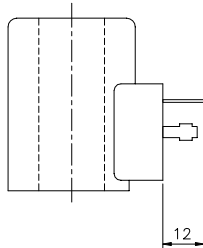
**FEATURES**

- One piece encapsulated design that is:
- Immersion proof
  - No external metal shell
  - Internal arc suppression diode available on request

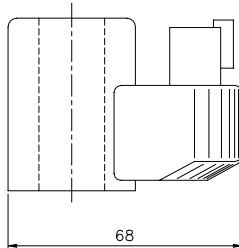
**COIL SPECIFICATION**

Wattage	20 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H (200°C)
Heat insulation Class	H (180°C)
Ambient Temperature Range	-30° to 60°C
Protection degree	Up to IP 65 (with connector and suitable seals)
Encapsulation Material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibration

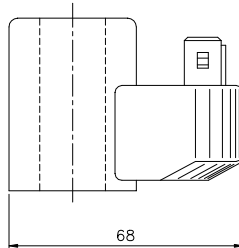
**FHC**



**FDI**



**FJT**



**ORDERING INFORMATION**

<b>TERMINATIONS</b>		<b>VOLTAGE</b>	
DIN 43650 (Hirschmann)	HC	12	12 VDC / 1.66 A
AMP Junior Timer - Integral	JT	24	24 VDC / 0.83 A
Deutsch - Integral DT04-2P	DI		

Approximate Coil Weight: .49 lbs (.22 kg)



IMMERSION PROOF "P" TYPE "I" COILS

DESCRIPTION

1/2 inch (13 mm) I.D. Short Immersion Proof Coil.

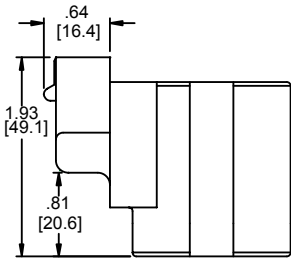
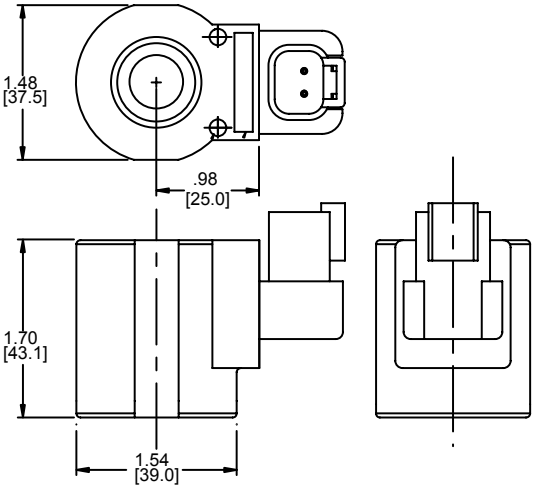
FEATURES

One piece encapsulated design that is:

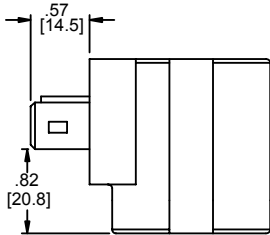
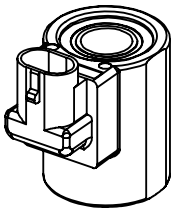
- Weatherproof
- Immersion proof
- Thermal shock / dunk tested
- No external metal shel

COIL SPECIFICATION

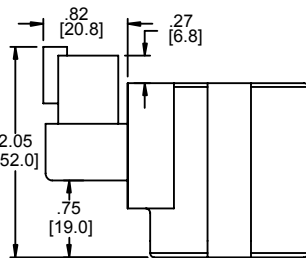
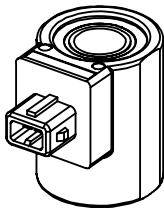
Wattage	20 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H or Better for all voltages
Temperature Range	-40° to 392°F (-40° to 200°C)
Protection degree	Up to IP 65 (with connector and suitable seals)
Encapsulation Material	Thermo-Plastic, resistant to moisture, caustic solutions, fungus, and vibrations



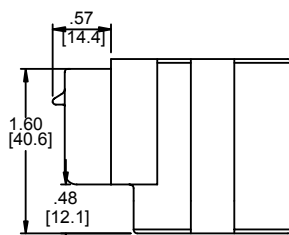
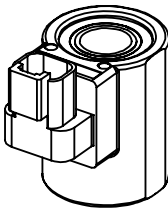
IA



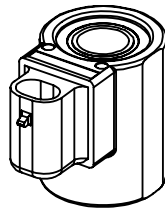
IJ



ID



IM



ORDERING INFORMATION

<b>P</b>	-	-	-
<b>TERMINATIONS</b>			
AMP Superseal - Integral	IA	12	
Deutsch - Integral DT04-2P	ID	24	
AMP Junior Timer - Integral	IJ		
Metri-Pack - Integral	IM		

Approximate Coil Weight: .43 lbs (.19 kg)

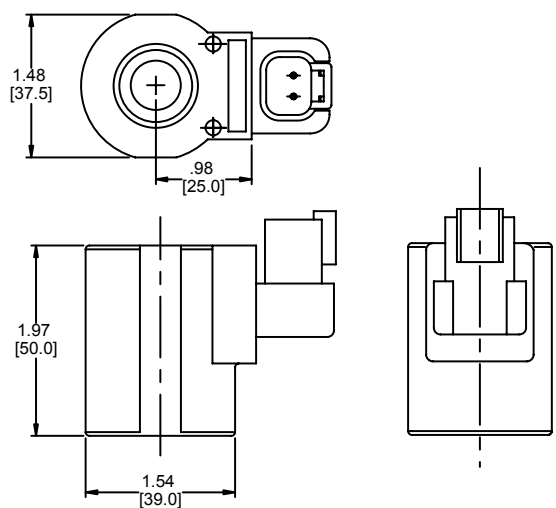
VOLTAGE

- 1.6 Amp Yellow Lettering
- .80 Amp Blue Lettering

NOTE: Pull type valves require nut 36202073 in lieu of standard nut.  
Push type valves require nut 36202071 in lieu of standard nut, except for PB-S2I, HB-S2C & HB- S2D use nut 36202090.

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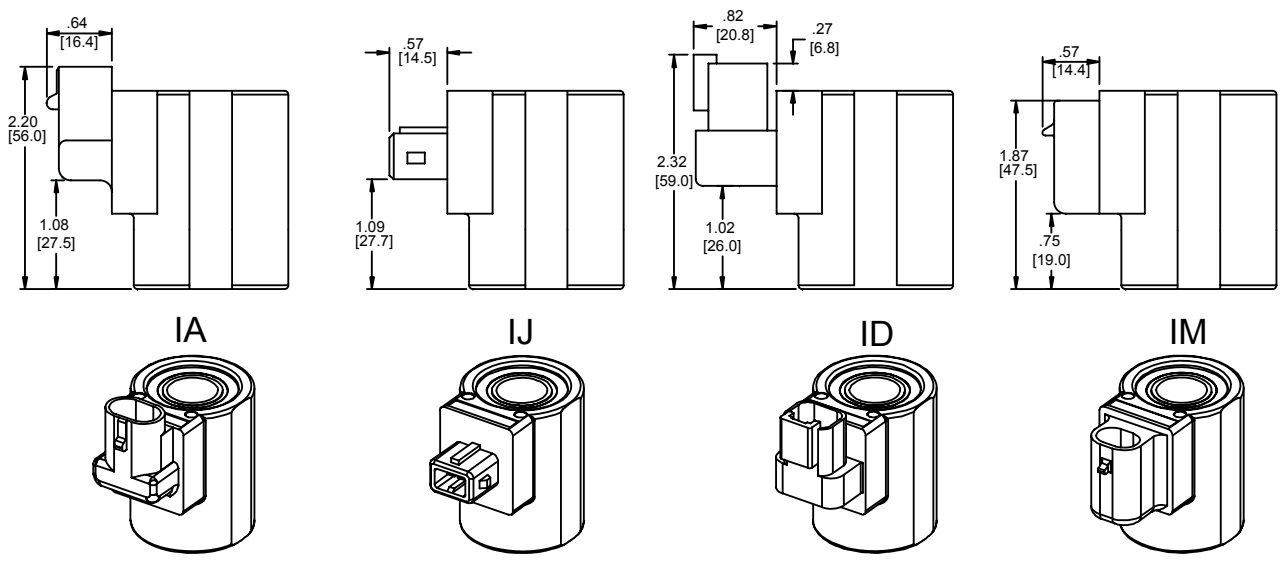
IMMERSION PROOF “D” TYPE “I” COILS



**DESCRIPTION**  
1/2 inch (13 mm) I.D. Immersion Proof Coil.

- FEATURES**  
One piece encapsulated design that is:
- Weatherproof
  - Immersion proof
  - Thermal shock / dunk tested
  - No external metal shel

COIL SPECIFICATION	
Wattage	24 Watts Nominal
Duty Rating	Continuous Duty ±10% rated voltage at 70°F (21°C) ambient
Min Current for Actuation	90% of rated current at room temperature
Magnet Wire Class	H or Better for all voltages
Temperature Range	-40° to 392°F (-40° to 200°C)
Encapsulation Material	Thermo-Plastic, resistant to moisture, caustic solutions, fungus, and vibrations



ORDERING INFORMATION

TERMINATIONS	
AMP Superseal - Integral	IA
Deutsch - Integral DT04-2P	ID
AMP Junior Timer - Integral	IJ
Metri-Pack - Integral	IM

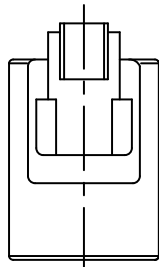
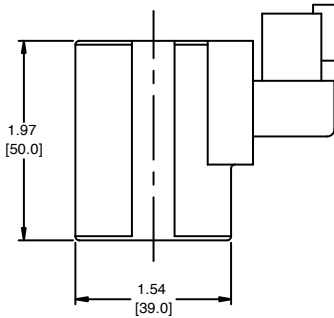
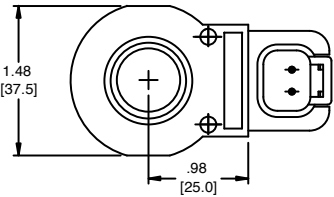
VOLTAGE	
12 VDC / 2.0 Amp Yellow Lettering	12
24 VDC / 1.0 Amp Blue Lettering	24

NOTE: Pull type valves require nut 36202073 in lieu of standard nut.  
Push type valves require nut 36202071 in lieu of standard nut.

Approximate Coil Weight: .49 lbs (.22 kg)

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IMMERSION PROOF "L" TYPE "I" COILS



DESCRIPTION

5/8 inch (16 mm) I.D. Immersion Proof Coil.

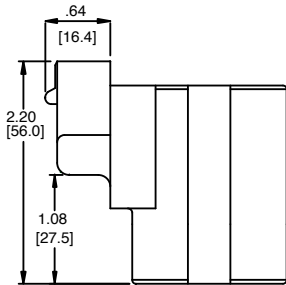
FEATURES

One piece encapsulated design that is:

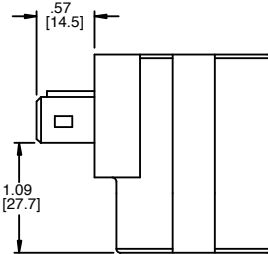
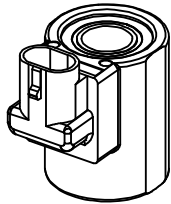
- Weatherproof
- Immersion proof
- Thermal shock / dunk tested
- No external metal shell

COIL SPECIFICATION

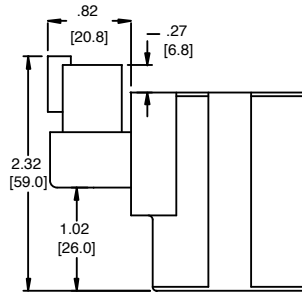
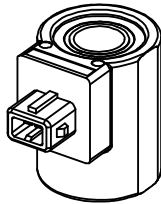
Wattage	26 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H or Better for all voltages
Temperature Range	-40° to 392°F (-40° to 200°C)
Encapsulation Material	Thermo-Plastic, resistant to moisture, caustic solutions, fungus, and vibrations



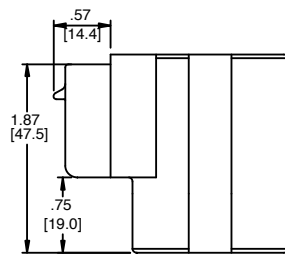
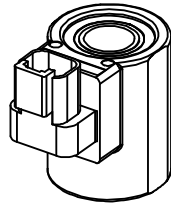
IA



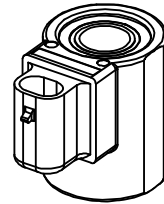
IJ



ID



IM



ORDERING INFORMATION

TERMINATIONS	L	-	-
AMP Superseal - Integral	IA		12
Deutsch - Integral DT04-2P	ID		24
AMP Junior Timer - Integral	IJ		
Metri-Pack - Integral	IM		

Approximate Coil Weight: .49 lbs (.22 kg)

VOLTAGE

12 VDC / 2.2 Amp Yellow Lettering  
24 VDC / 1.1 Amp Blue Lettering

NOTE: Pull type valves require nut 36202073 in lieu of standard nut.  
Push type valves require nut 36202071 in lieu of standard nut.

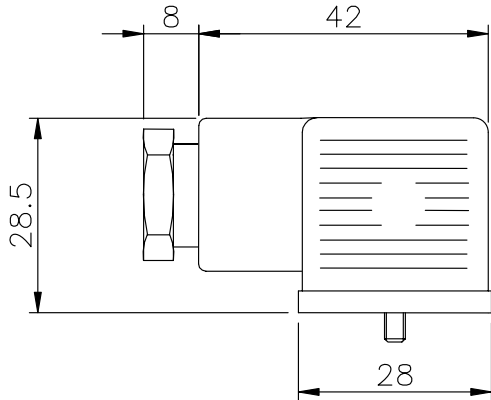
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COIL ACCESSORIES

CONNECTORS FOR THE DIN 43650 (HIRSCHMANN) TERMINATION

Standard connector dimensions  
and with internal VDR resistor  
against overvoltage peak

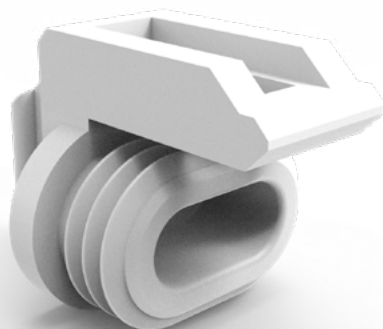


TECHNICAL DATA	
Number of poles	2 + Ground
Max operating current	10 A
Contact resistance	< 4 mOhm
Max. wire cross section	1.5 mm <sup>2</sup>
Cable diameter	6 - 8 mm
Cable gland size	Pg 9
Protection class	IP 65

ORDERING INFORMATION	
DESCRIPTION	CODE
Standard	50.1004.002
With VDR resistor	50.1004.025

## COIL ACCESSORIES

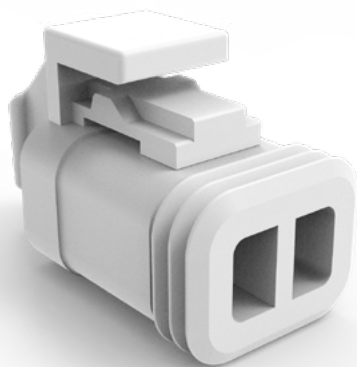
## PROTECTIVE MALE PLUG FOR AMP SUPERSEAL 1.5 SRS/2P CONNECTOR



TECHNICAL DATA	
MATERIAL	Thermoplastic co-polyester
HARDNESS	85 SHORE A
COLOUR	White
TEMPERATURE RANGE	-10÷+100°C
APPROVED TEST	IP x7 CEI EN 60529/97 (TEST DIN 40050) IP x9K CEI EN 60529/97 (TEST DIN 40050)

ORDERING INFORMATION	
DESCRIPTION	CODE
Protective Male Plug	13.8001.196

## PROTECTIVE MALE PLUG FOR DEUTSCH DT 04/2P CONNECTOR



TECHNICAL DATA	
MATERIAL	Thermoplastic co-polyester
HARDNESS	85 SHORE A
COLOUR	White
TEMPERATURE RANGE	-10÷+100°C
APPROVED TEST	IP x7 CEI EN 60529/97 (TEST DIN 40050) IP x9K CEI EN 60529/97 (TEST DIN 40050)

ORDERING INFORMATION	
DESCRIPTION	CODE
Protective Male Plug	13.8001.195

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