

COILS



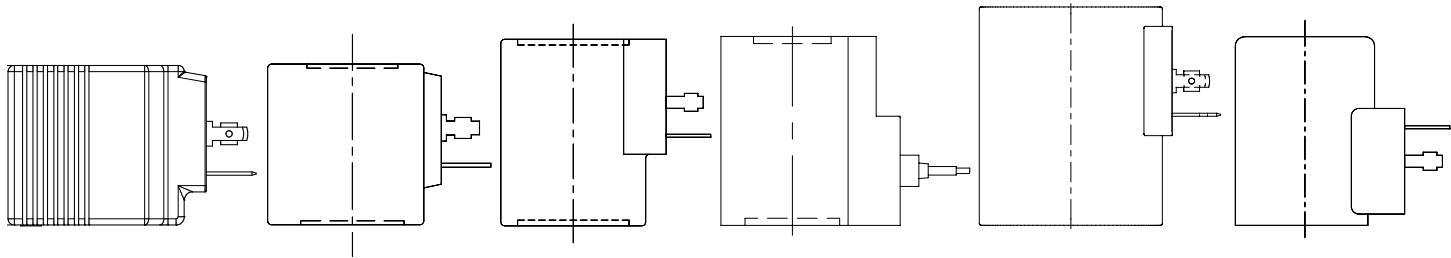
Section / Description	page
STANDARD	CT4
IMMERSION PROOF	CT10
ACCESSORIES	CT13



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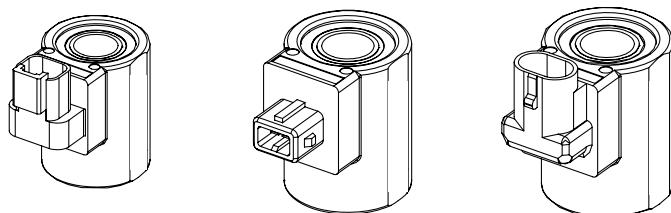
sales@oilsolutions.com.au

COIL DATA



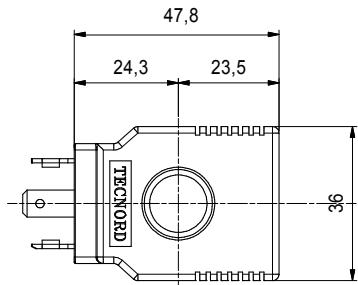
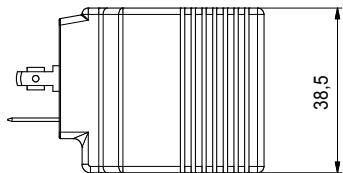
STANDARD COILS

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

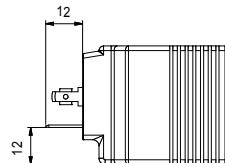
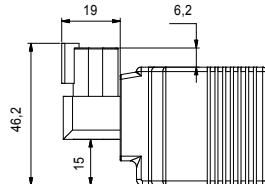
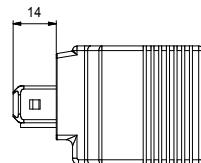
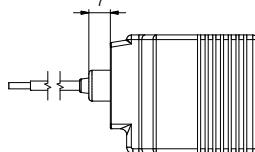
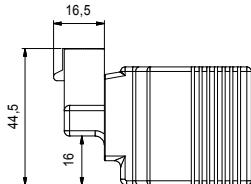
FEATURES

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 - -**

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

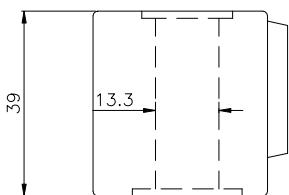
TERMINATIONS

- "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)

VOLTAGE

JA	12	12 VDC / 6.8 Ohm
JL	24	24 VDC / 27 Ohm
JJ	26	26 VDC / 32 Ohm
JD		
JH		

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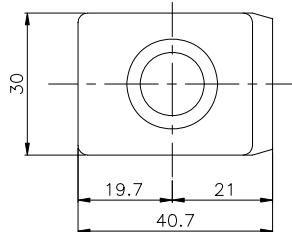
"A" TYPE COIL**DESCRIPTION**

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

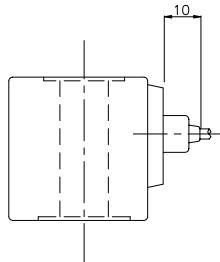
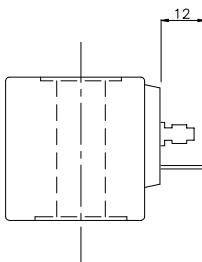
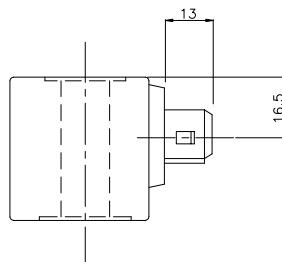
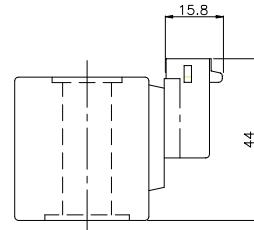
FEATURES

One piece encapsulated design that is:

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

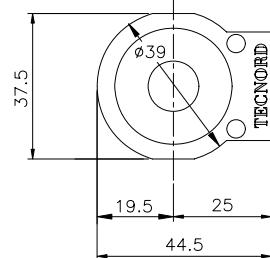
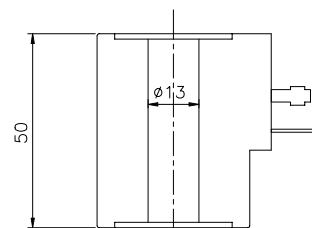
**COIL SPECIFICATION**

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

ADL**AHC****AJT****AMP****ORDERING INFORMATION**

A -	—	—	<i>Approximate Coil Weight: .42 lbs (.19 kg)</i>
TERMINATIONS		VOLTAGE	
Double Lead	DL	12	12 VDC / 1.5 A
DIN 43650 (Hirschmann)	HC	24	24 VDC / 0.75 A
AMP Junior Timer - Integral	JT	22	220 VAC / rectified 0.06 A <i>without internal rectifier (for HC termination only)</i> <i>supply voltage must be externally rectified</i>
Metri-Pack - Integral	MP		

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“V” TYPE COIL**DESCRIPTION**

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

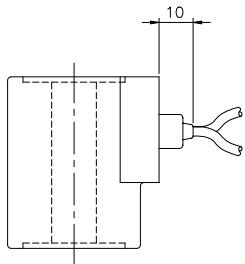
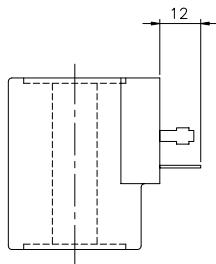
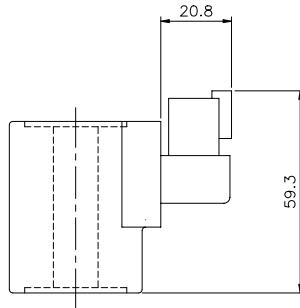
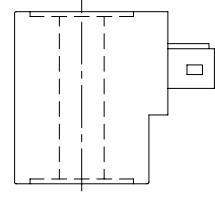
FEATURES

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**

V - _____ - _____

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

TERMINATIONS

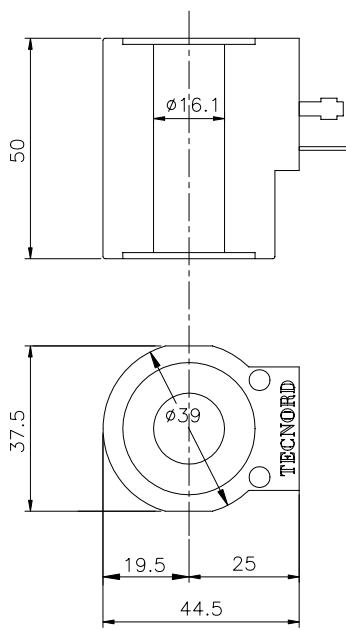
Double Lead
DIN 43650 (Hirschmann)
AMP Junior Timer - Integral
Deutsch - Integral DT04-2P

DL	12
HC	24
JT	22
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

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"W" TYPE COIL**DESCRIPTION**

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

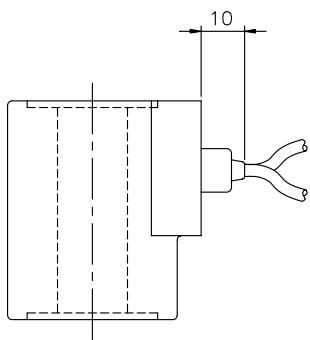
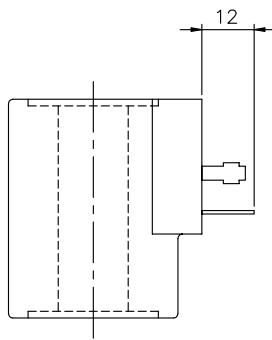
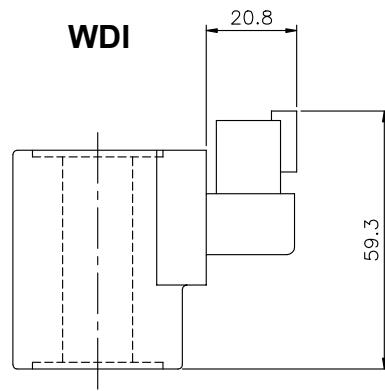
FEATURES

One piece encapsulated design that is:

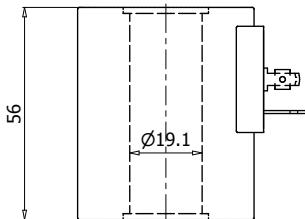
- Immersion proof
- No external metal shell
- Internal arc suppression diode available on request

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

WDL**WHC****WDI****ORDERING INFORMATION**

W -	-	-	Approximate Coil Weight: .69 lbs (.31 kg)
TERMINATIONS			
Double Lead	DL	12	12 VDC / 2.03 A
DIN 43650 (Hirschmann)	HC	24	24 VDC / 1.01 A
Deutsch - Integral DT04-2P	DI	22	220 VAC / rectified 0.06 A without internal rectifier (for HC termination only) supply voltage must be externally rectified

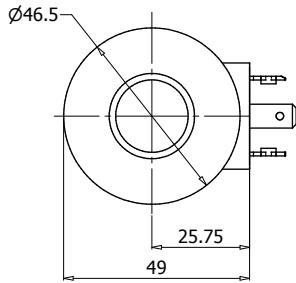
"Z" TYPE COIL**DESCRIPTION**

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

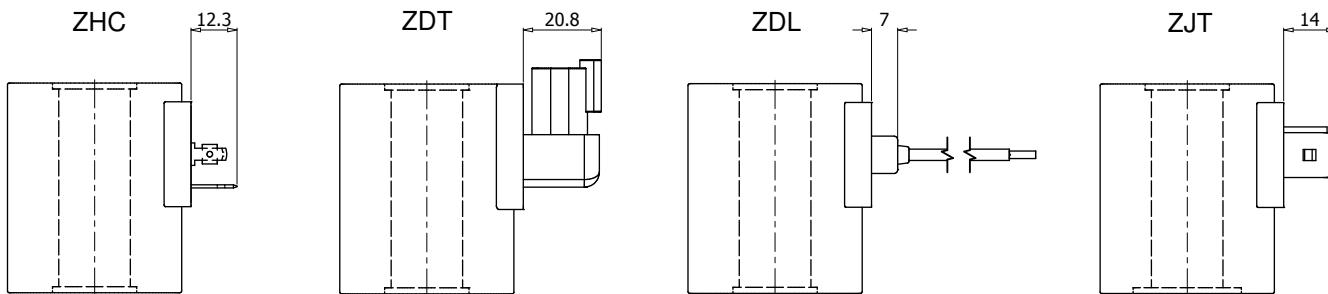
FEATURES

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 $\pm 10\%$ 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
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 - _____ - _____

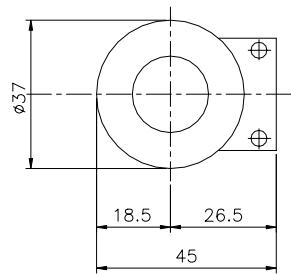
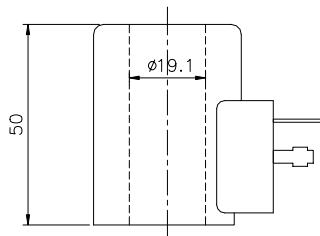
Approximate Coil Weight: .56 lbs (.25 kg)

<u>TERMINATIONS</u>	
Double Lead (L=230mm)	DL
DIN 43650 (Hirschmann)	HC
AMP Junior Timer - Integral	JT
Deutsch - Integral DT04-2P	DI

VOLTAGE

12	12 VDC
24	24 VDC

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"F" TYPE COIL**DESCRIPTION**

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

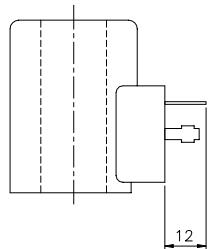
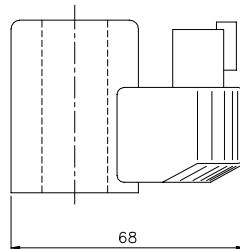
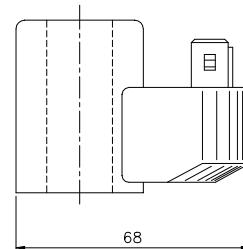
FEATURES

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

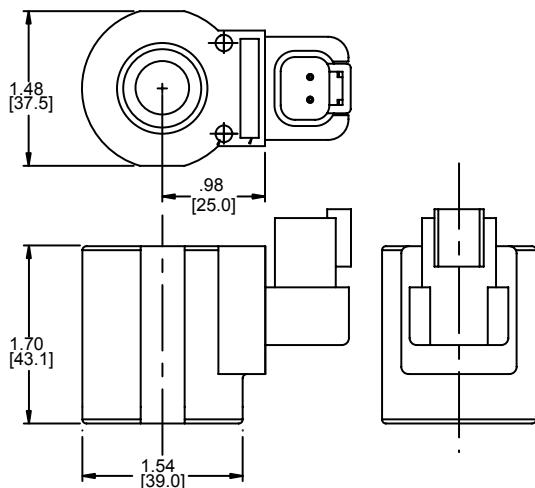
FHC**FDI****FJT****ORDERING INFORMATION**

F -	—	—	TERMINATIONS	VOLTAGE
			DIN 43650 (Hirschmann)	12 VDC / 1.66 A
			AMP Junior Timer - Integral	24 VDC / 0.83 A
			Deutsch - Integral DT04-2P	

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

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IMMERSION PROOF "P" TYPE "I" COILS



DESCRIPTION

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

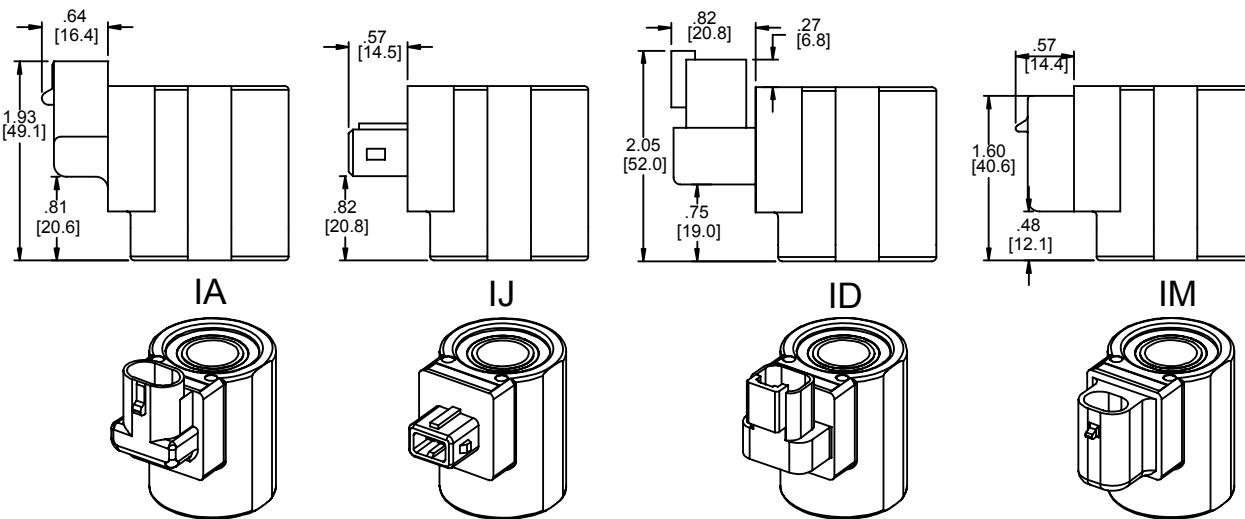
FEATURES

One piece encapsulated design that is:

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

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



ORDERING INFORMATION

P	-	-	
TERMINATIONS			
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)

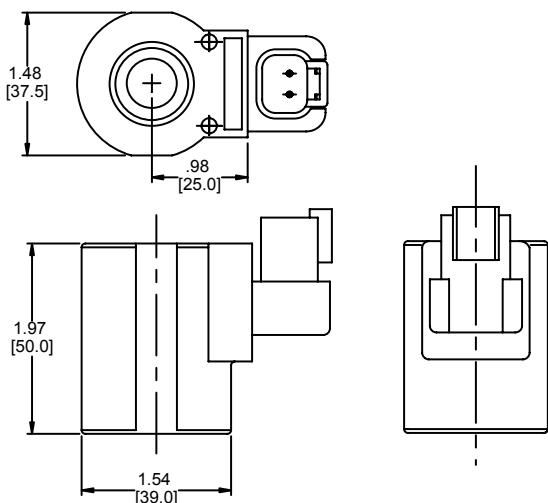
VOLTAGE

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.

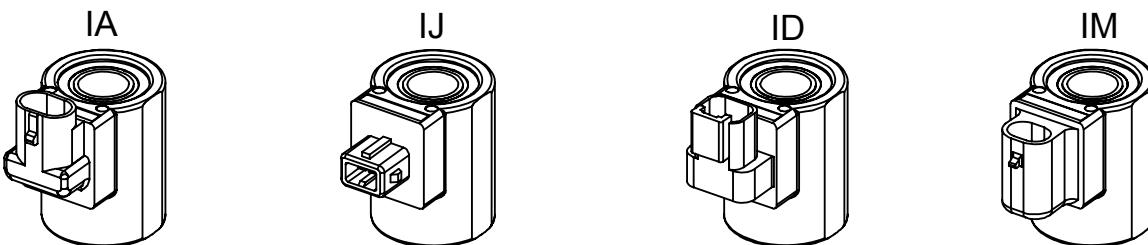
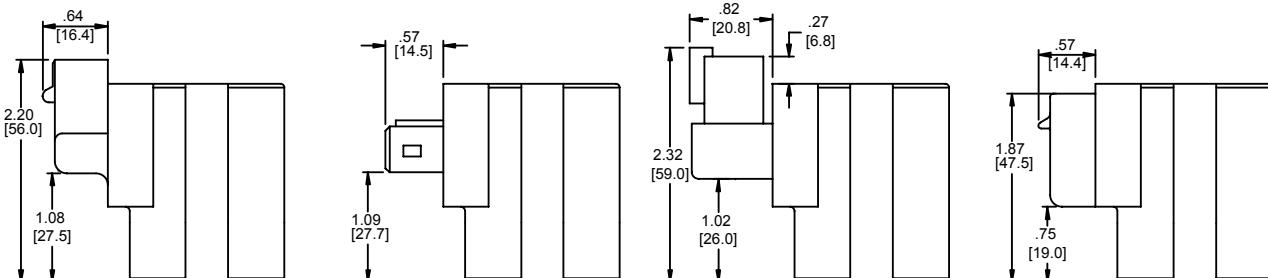
FEATURES

One piece encapsulated design that is:

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

COIL SPECIFICATION

Wattage	24 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ 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

D - _____ - _____

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

TERMINATIONS

- AMP Superseal - Integral
- Deutsch - Integral DT04-2P
- AMP Junior Timer - Integral
- Metri-Pack - Integral

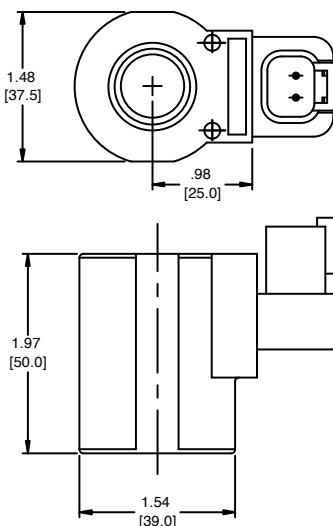
IA 12
ID 24
IJ
IM

VOLTAGE

- 12 VDC / 2.0 Amp Yellow Lettering
- 24 VDC / 1.0 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.

IMMERSION PROOF "L" TYPE "I" COILS



DESCRIPTION

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

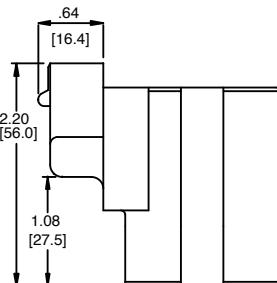
FEATURES

One piece encapsulated design that is:

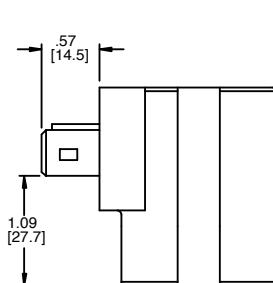
- Weatherproof
- Immersion proof
- Thermal shock / dunk tested
- No external metal shell

COIL SPECIFICATION

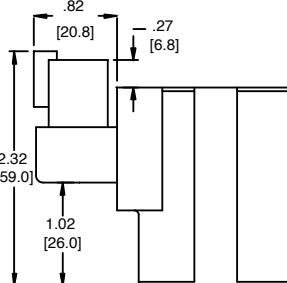
Wattage	26 Watts Nominal
Duty Rating	Continuous Duty $\pm 10\%$ rated voltage at 120°F (49°C) ambient
Min Current for Actuation	80% of rated current at room temperature
Magnet Wire Class	H or Better for all voltages
Temperature Range	-40° to 392°F (-40° to 200°C)
Encapsulation Material	Thermo-Plastic,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



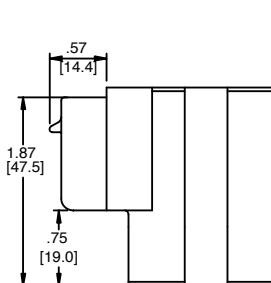
IA



IJ



ID



IM

ORDERING INFORMATION

L - _____ - _____

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

TERMINATIONS

AMP Superseal - Integral
Deutsch - Integral DT04-2P
AMP Junior Timer - Integral
Metri-Pack - Integral

IA
ID
IJ
IM

12
24

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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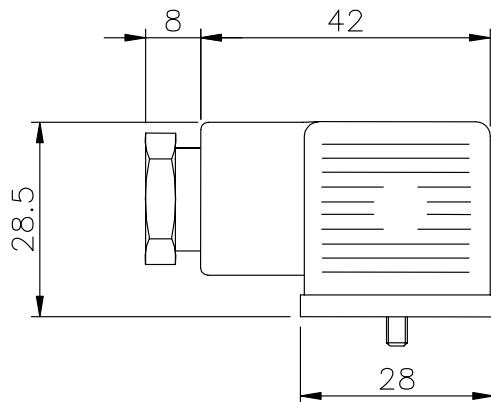
COIL ACCESSORIES

CONNECTORS FOR THE DIN 43650 (HIRSCHMANN) TERMINATION

Standard connector dimensions

and with internal VDR resistor

against overvoltage peak



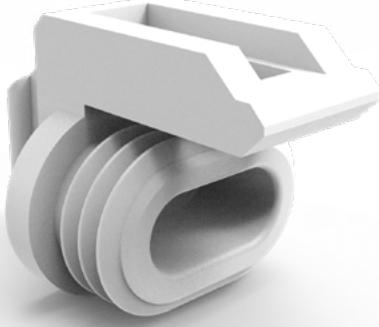
TECHNICAL DATA	
Number of poles	2 + Ground
Max operating current	10 A
Contact resistance	< 4 mOhm
Max. wire cross section	1.5 mm ²
Cable diameter	6 - 8 mm
Cable gland size	Pg 9
Protection class	IP 65

ORDERING INFORMATION	
DESCRIPTION	CODE
Standard	50.1004.002
With VDR resistor	50.1004.025

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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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W/28/2022