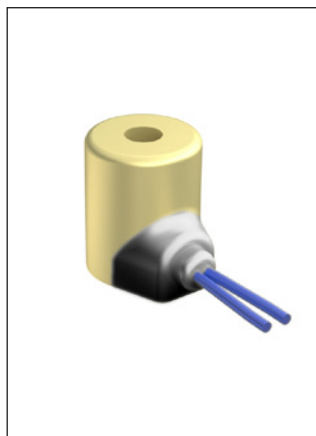
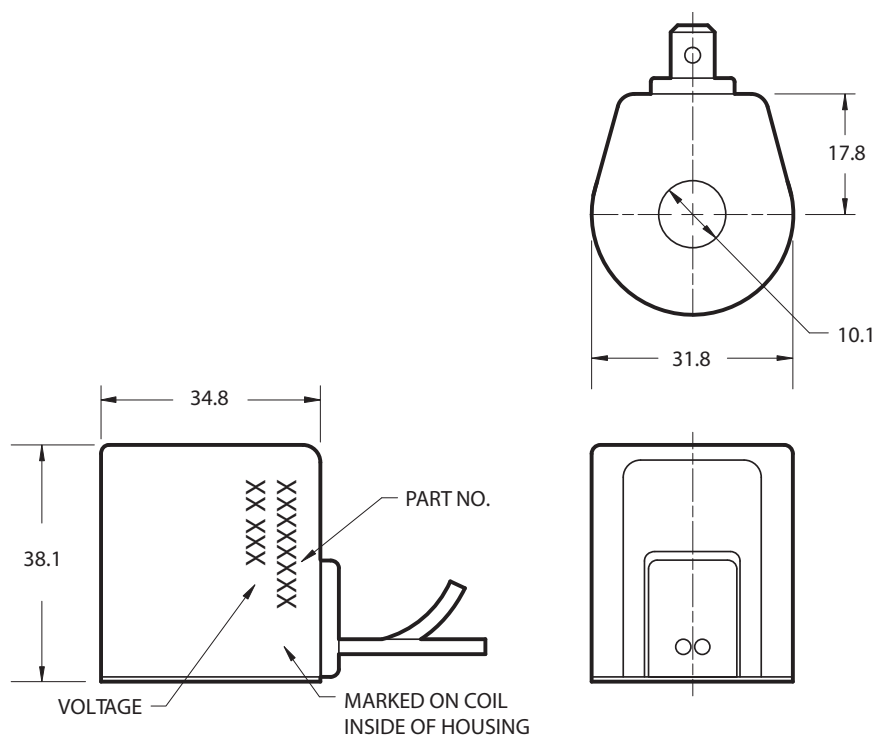



Features

- Numerous terminals and voltages.
- Heavy gauge color coded lead wire.


Specifications

Wattage	20 Watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 21°C ambient. Intermittent duty for higher ambient temperature
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 65 (achieved with suitable connector)
Lead wires	18 gauge, 610 mm long, 600 volt rating, with strain relief
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations. Material temperature range is -40°C to 200°C
Approx. coil weight	0.14 kg

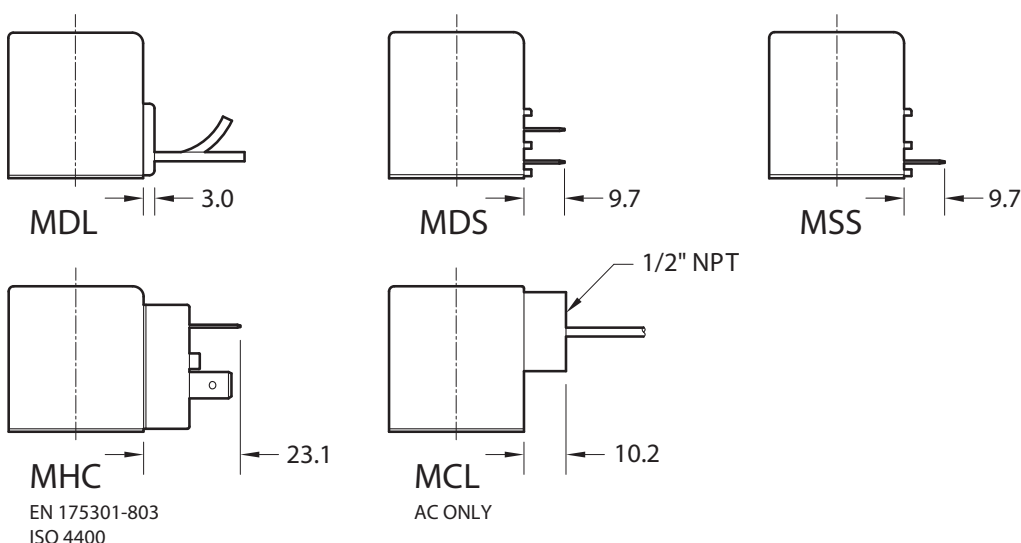
Note: A.C. Coils incorporate integrally molded full wave rectifiers which are rated for reverse voltage peaks of 1000 volts maximum. A.C. Coils are rated 50/60 HZ

Coil Model Numbers

Termination	MDL	MDS	MSS	MHC	MCL		
Description	Double Lead	Double Spade	Single Spade	EN 175301-803* Connector	Double Lead Conduit	Lead Wire Color	AC Voltage Range
Voltage						ORANGE	
Amp							
Voltage	12VDC	12VDC	12VDC	12VDC		YELLOW	
Amp	1.7	1.7	1.7	1.7			
Voltage	24VDC	24VDC		24VDC		BLUE	
Amp	.86	.86		.86			
Voltage	36VDC		36VDC	36VDC		GREEN	
Amp	.57		.57	.57			
Voltage	48VDC					BROWN	
Amp	.45						
Voltage		24VAC		24VAC	24VAC	BLUE/BLACK	
Amp		.74		.74	.74		
Voltage		110VAC*		110VAC*	110VAC*	RED/WHITE	* 100VAC * 115VAC
Amp		.17		.17	.17		
Voltage						RED	* 115VAC * 130VAC
Amp							
Voltage		220VAC*		220VAC*	220VAC*	BLACK/WHITE	* 200VAC * 230VAC
Amp		.10		.10	.10		
Voltage						VIOLET/WHITE	* 225VAC * 260VAC
Amp							
Voltage						VIOLET	* 400VAC * 460VAC
Amp							

* Optimum operating voltage noted.

Conduit connectors on A.C. coils have a maximum torque of 6.8 Nm. Arc suppression diode available.



Ordering Code

D - M ** - **

Termination	
20 Watt std. coil	
DL - Double lead**	HC - EN 175301-803*
DS - Double spade**	CL - Conduit lead**
SS - Single spade	Other options available.

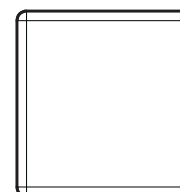
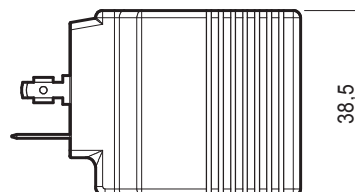
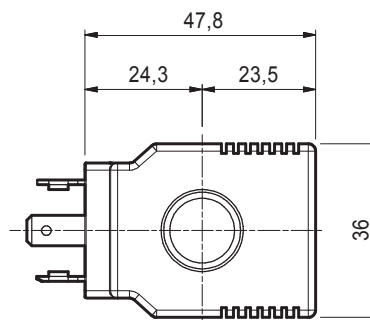
Voltage	
06 - 6 VDC	25 - 24 VAC
12 - 12 VDC	11 - 110 VAC
24 - 24 VDC	13 - 125 VAC
36 - 36 VDC	22 - 220 VAC
48 - 48 VDC	23 - 250 VAC
	44 - 440 VAC

*Formerly DIN 43650 Hirschmann connector. **Only these coil terminations are stock.



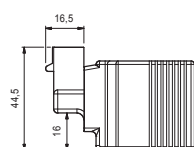
Features

- One piece encapsulated design.
- Weatherproof
- Immersion proof.
- Thermal shock / dunk tested.
- No external metal shell.

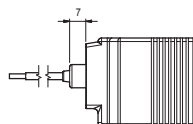
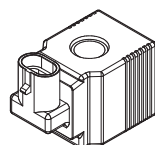


Specifications

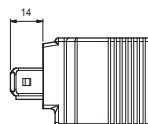
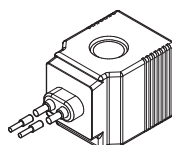
Wattage	21 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 67 (achieved with suitable o-rings top & bottom)
Encapsulating material	Thermo-plastic, resistant to moisture, caustic solutions, fungus and vibrations.
Approx. coil weight	0.19 kg



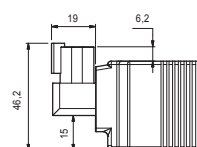
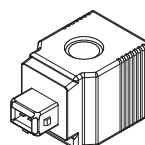
JJA



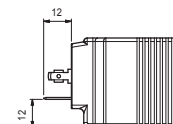
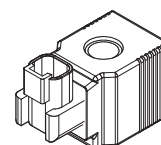
JDL



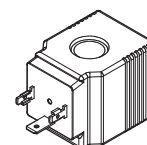
JJT



JDI



JHC



Ordering Code

T- J ** — **

Termination

JA - AMP Superseal
DL - Double Lead
JT - AMP Junior Timer
DI - Deutsch - Integral DT04-2P
HC - EN 175301-803*

Voltage

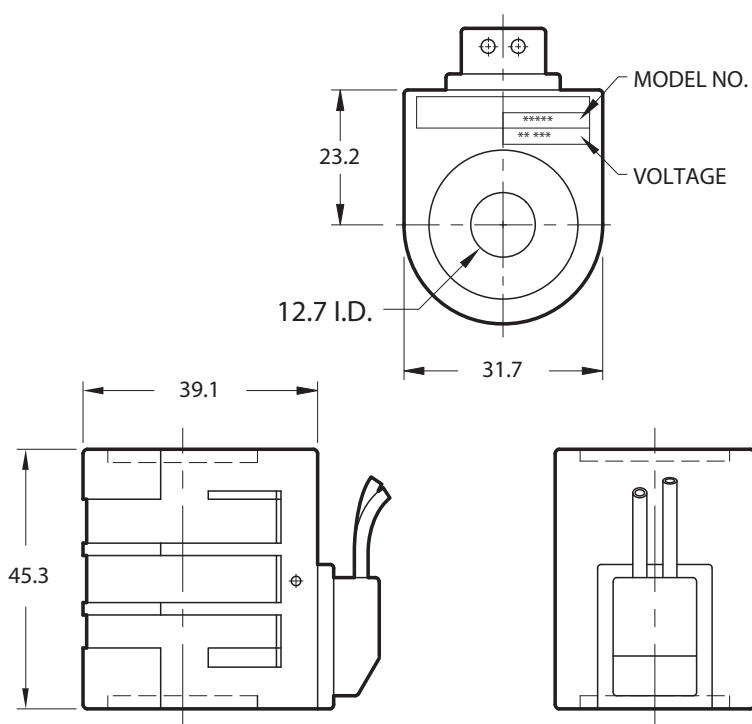
12 - 12VDC / 6.8 Ohm
24 - 24VDC / 27 Ohm
26 - 26VDC / 32 Ohm

*Formerly DIN 43650 Hirschmann connector.


Features

- One piece water resistant encapsulated design.
- Numerous terminals and voltages.
- Heavy gauge color coded lead wire.
- U.L. recognition.
- This coil is reversible (can be installed on cartridges in both directions with equal efficiency).

For coil selection in extreme conditions, please look at our “I” coil line of environmental coils.


Specifications

Wattage	19 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 65 (achieved with suitable connector)
Lead wires	18 gauge, 610mm long, 600 volt rating, with strain relief
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations. Material temperature range is -40°C to 200°C
Approx. coil weight	0.19 kg

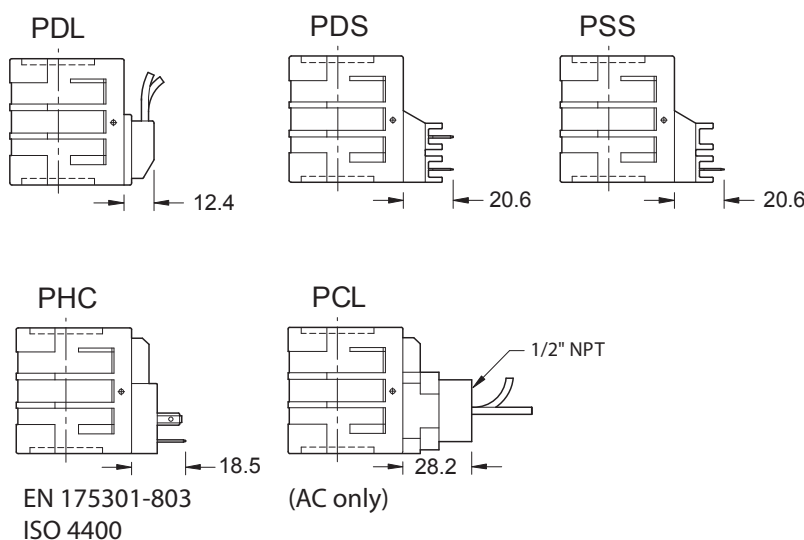
Note: A.C. Coils incorporate integrally molded full wave rectifiers which are rated for reverse voltage peaks of 1000 volts maximum. A.C. Coils are rated 50/60 HZ

Coil Model Numbers

Termination	PDL	PDS	PSS	PHC	PCL	Lead Wire Color	AC Voltage Range
Description	Double Lead	Double Spade	Single Spade	EN 175301-803* Connector	Double Lead Conduit		
Voltage Amp	6VDC 3.5					ORANGE	
Voltage Amp	12VDC 1.6	12VDC 1.6	12VDC 1.6	12VDC 1.6		YELLOW	
Voltage Amp	24VDC .78	24VDC .78	24VDC .78	24VDC .78		BLUE	
Voltage Amp	36VDC .57			36VDC .57		GREEN	
Voltage Amp	48VDC .40	48VDC .40				BROWN	
Voltage Amp		24VAC .92		24VAC .92	24VAC .92	BLUE/ BLACK	
Voltage Amp				110VAC *.19	110VAC *.19	RED/ WHITE	* 100VAC 115VAC
Voltage Amp				125VAC *.17	125VAC *.17	RED	* 115VAC 130VAC
Voltage Amp				220VAC *.10	220VAC *.10	BLACK/ WHITE	* 200VAC 230VAC
Voltage Amp				250VAC *.08	250VAC *.08	VIOLET/ WHITE	* 225VAC 260VAC
Voltage Amp				440VAC *.05	440VAC *.05	VIOLET	* 400VAC 460VAC

* Optimum operating voltage noted.

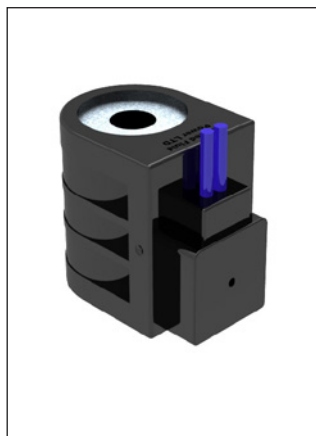
Conduit connectors on A.C. coils have a maximum torque of 6.8 Nm. Arc suppression diode available.



Ordering Code

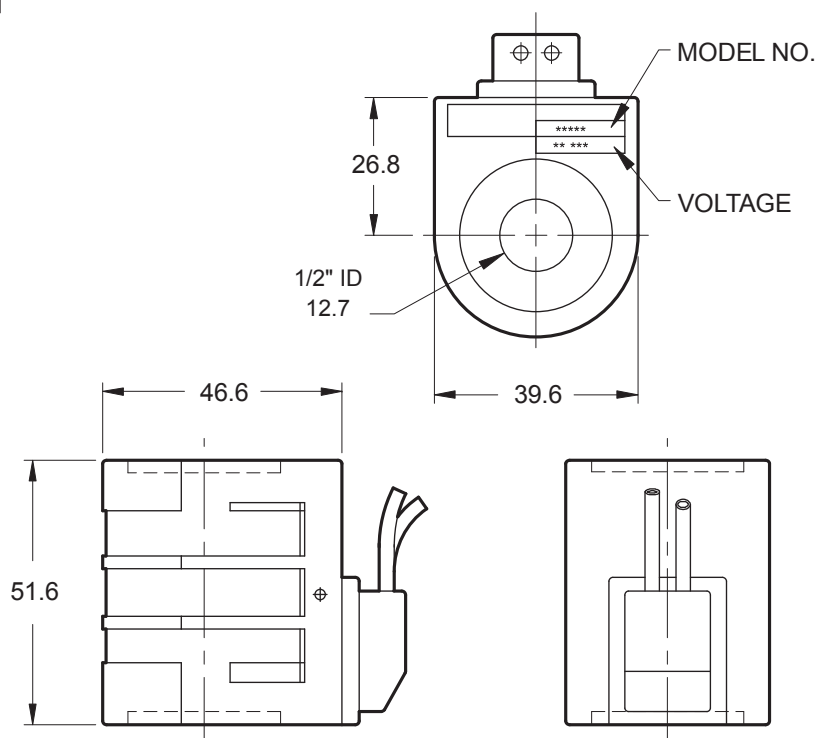
D- P ** — **	
Termination	
19 Watt std. coil	
DL - Double lead**	HC - EN 175301-803*
DS - Double spade**	CL - Conduit lead**
SS - Single spade	Other options available.
Voltage	
06 - 6 VDC	25 - 24 VAC
12 - 12 VDC	11 - 110 VAC
24 - 24 VDC	13 - 125 VAC
36 - 36 VDC	22 - 220 VAC
48 - 48 VDC	23 - 250 VAC
	44 - 440 VAC

*Formerly DIN 43650 Hirschmann connector. **Only these coil terminations are stock.


Features

- One piece water resistant encapsulated design.
- Numerous terminals and voltages.
- Heavy gauge color coded lead wire.
- This coil is reversible (can be installed on cartridges in both directions with equal efficiency).

For coil selection in extreme conditions, please look at our “I” coil line of environmental coils.


Specifications

Wattage	22 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 65 (achieved with suitable connector)
Lead wires	18 gauge, 610mm long, 600 volt rating, with strain relief
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations. Material temperature range is -40°C to 200°C
Approx. coil weight	0.32 kg

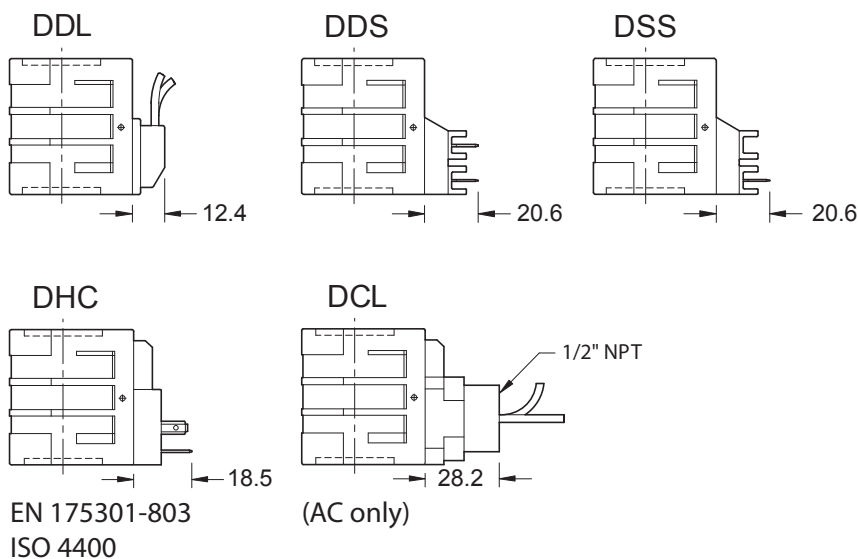
Note: A.C. Coils incorporate integrally molded full wave rectifiers which are rated for reverse voltage peaks of 1000 volts maximum. A.C. Coils are rated 50/60 HZ

Coil Model Numbers

Termination	DDL	DDS	DSS	DHC	DCL		
Description	Double Lead	Double Spade	Single Spade	EN 175301-803* Connector	Double Lead Conduit	Lead Wire Color	AC Voltage Range
Voltage	6VDC	6VDC	6VDC	6VDC		ORANGE	
Amp	3.7	3.7	3.7	3.7			
Voltage	12VDC	12VDC	12VDC	12VDC		YELLOW	
Amp	1.8	1.8	1.8	1.8			
Voltage	24VDC	24VDC	24VDC	24VDC		BLUE	
Amp	.90	.90	.90	.90			
Voltage	36VDC	36VDC	36VDC	36VDC		GREEN	
Amp	.62	.62	.62	.62			
Voltage	48VDC	48VDC	48VDC	48VDC		BROWN	
Amp	.47	.47	.47	.47			
Voltage		24VAC		24VAC	24VAC	BLUE/BLACK	
Amp		1.2		1.2	1.2		
Voltage				110VAC*	110VAC*	RED/WHITE	* 100VAC 115VAC
Amp				.23	.23		
Voltage				125VAC*	125VAC*	RED	* 115VAC 130VAC
Amp				.17	.17		
Voltage				220VAC*	220VAC*	BLACK/WHITE	200VAC 230VAC
Amp				.11	.11		
Voltage				250VAC*	250VAC*	VIOLET/WHITE	* 225VAC 260VAC
Amp				.10	.10		
Voltage				440VAC*	440VAC*	VIOLET	* 400VAC 460VAC
Amp				.05	.05		

* Optimum operating voltage noted.

Conduit connectors on A.C. coils have a maximum torque of 6.8 Nm. Arc suppression diode available.



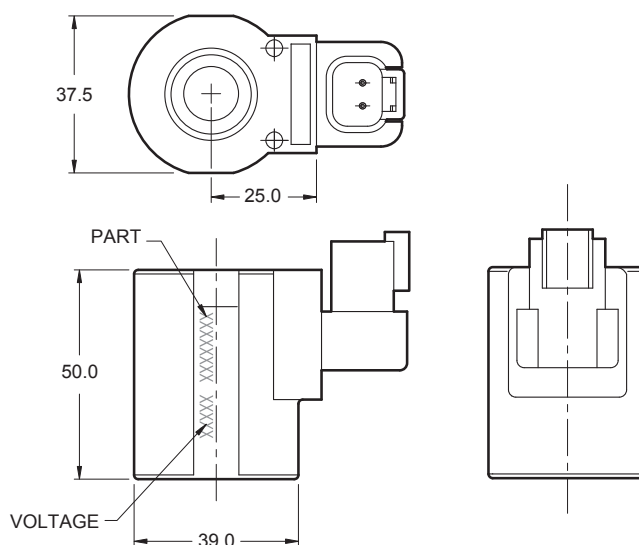
Ordering Code

D - D ** — **	
Termination	
22 Watt std. coil	
DL - Double lead**	HC - EN 175301-803*
DS - Double spade**	CL - Conduit lead**
SS - Single spade	Other options available.
Voltage	
06 - 6 VDC	25 - 24 VAC
12 - 12 VDC	11 - 110 VAC
24 - 24 VDC	13 - 125 VAC
36 - 36 VDC	22 - 220 VAC
48 - 48 VDC	23 - 250 VAC
	44 - 440 VAC

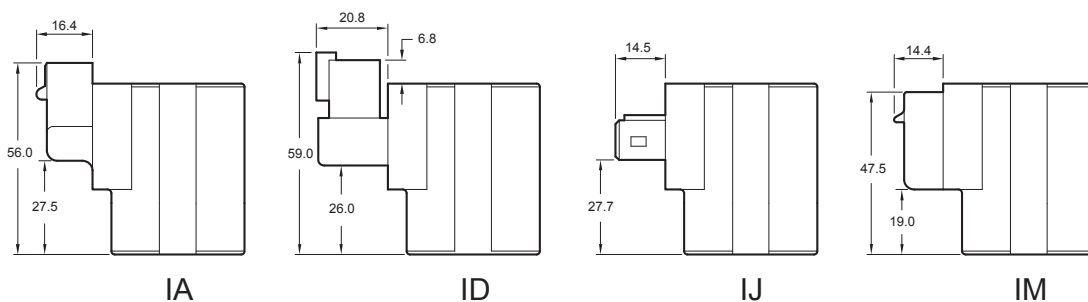
*Formerly DIN 43650 Hirschmann connector. **Only these coil terminations are stock.


Features

- One piece encapsulated design.
- Weatherproof
- Immersion proof.
- Thermal shock / Dunk tested.
- No external metal shell.


Specifications

Wattage	24 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 69 *(achieved with suitable nut - see note below)
Encapsulating material	Thermo-plastic, resistant to moisture, caustic solutions, fungus and vibrations.
Approx. coil weight	0.23 kg


Ordering Code

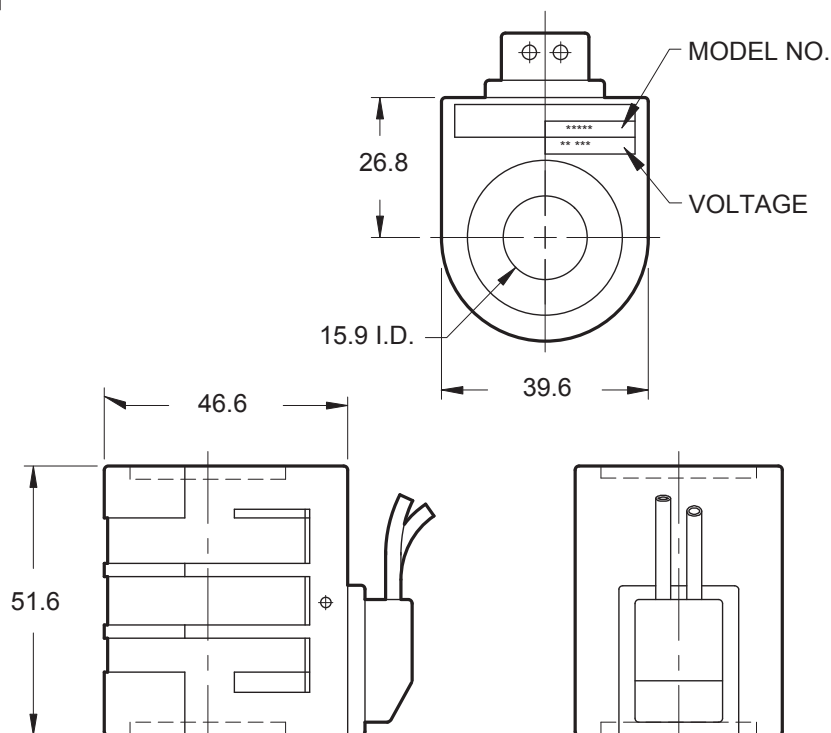
D-	D	**	—	**
Termination			Voltage	
IA - AMP superseal - Integral			12 - 12VDC - 2.0 Amp yellow lettering	
ID - Deutsch - Integral DT04-2P			24 - 24VDC - 1.0 Amp blue lettering	
IJ - AMP Jr. Timer - Integral				
IM - Metri-Pack - Integral				

***Note** Pull type valves require nut PT-NTDE36202073 in lieu of standard nut.
Push type valves require nut PT-NTDE36202071 in lieu of standard nut.


Features

- One piece water resistant encapsulated design.
- Numerous terminals and voltages.
- Heavy gauge color coded lead wire.
- This coil is reversible (can be installed on cartridges in both directions with equal efficiency).

For coil selection in extreme conditions, please look at our “I” coil line of environmental coils.


Specifications

Wattage	22 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 65 (achieved with suitable connector)
Lead wires	18 gauge, 610mm long, 600 volt rating, with strain relief
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations. Material temperature range is -40°C to 200°C
Approx. coil weight	0.30 kg

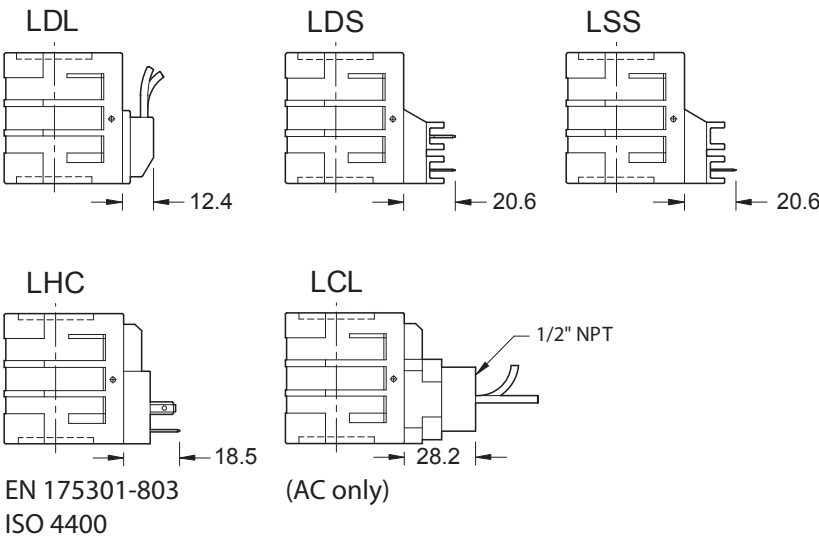
Note: A.C. Coils incorporate integrally molded full wave rectifiers which are rated for reverse voltage peaks of 1000 volts maximum. A.C. Coils are rated 50/60 HZ

Coil Model Numbers

Termination	LDL	LDS	LSS	LHC	LCL		
Description	Double Lead	Double Spade	Single Spade	EN 175301-803* Connector	Double Lead Conduit	Lead Wire Color	AC Voltage Range
Voltage Amp	12VDC 1.8	12VDC 1.8	12VDC 1.8	12VDC 1.8		YELLOW	
Voltage Amp	24VDC .9	24VDC .9	24VDC .9	24VDC .9		BLUE	
Voltage Amp						GREEN	
Voltage Amp						BROWN	
Voltage Amp						BLUE/ BLACK	
Voltage Amp				110VAC *.16	110VAC *.16	RED/ WHITE	* 100VAC 115VAC
Voltage Amp						RED	* 115VAC 130VAC
Voltage Amp				220VAC *.08	220VAC *.08	BLACK/ WHITE	* 200VAC 230VAC
Voltage Amp						VIOLET/ WHITE	* 225VAC 260VAC
Voltage Amp						VIOLET	* 400VAC 460VAC

* Optimum operating voltage noted.

Conduit connectors on A.C. coils have a maximum torque of 6.8 Nm. Arc suppression diode available.



Ordering Code

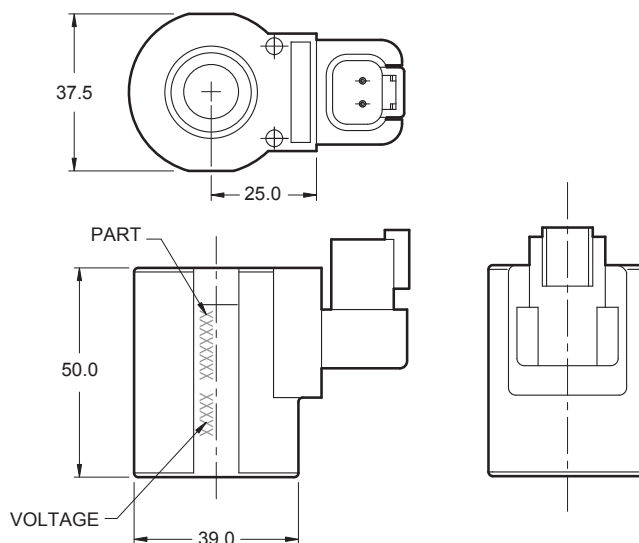
D- L ** — **	
Termination	
22 Watt std. coil	
DL - Double lead**	HC - EN 175301-803*
DS - Double spade**	CL - Conduit lead**
SS - Single spade	Other options available.
Voltage	
06 - 6 VDC	25 - 24 VAC
12 - 12 VDC	11 - 110 VAC
24 - 24 VDC	13 - 125 VAC
36 - 36 VDC	22 - 220 VAC
48 - 48 VDC	23 - 250 VAC
	44 - 440 VAC

*Formerly DIN 43650 Hirschmann connector. **Only these coil terminations are stock.



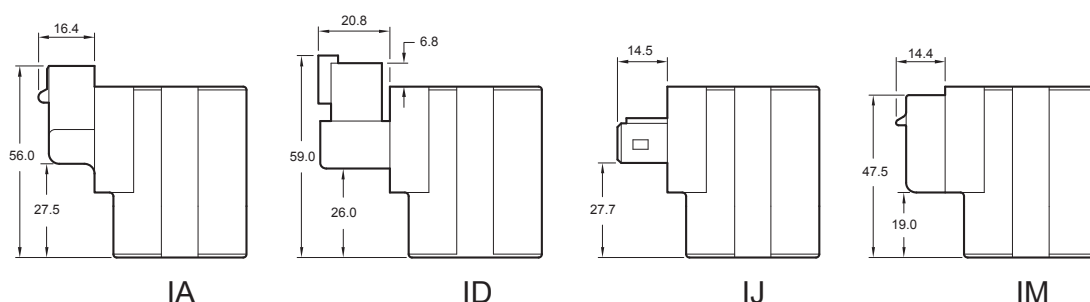
Features

- One piece encapsulated design.
- Weatherproof
- Immersion proof.
- Thermal shock / Dunk tested.
- No external metal shell.



Specifications

Wattage	26 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 69 *(achieved with suitable nut - see note below)
Encapsulating material	Thermo-plastic, resistant to moisture, caustic solutions, fungus and vibrations.
Approx. coil weight	0.22 kg



Ordering Code

D- L ** — **

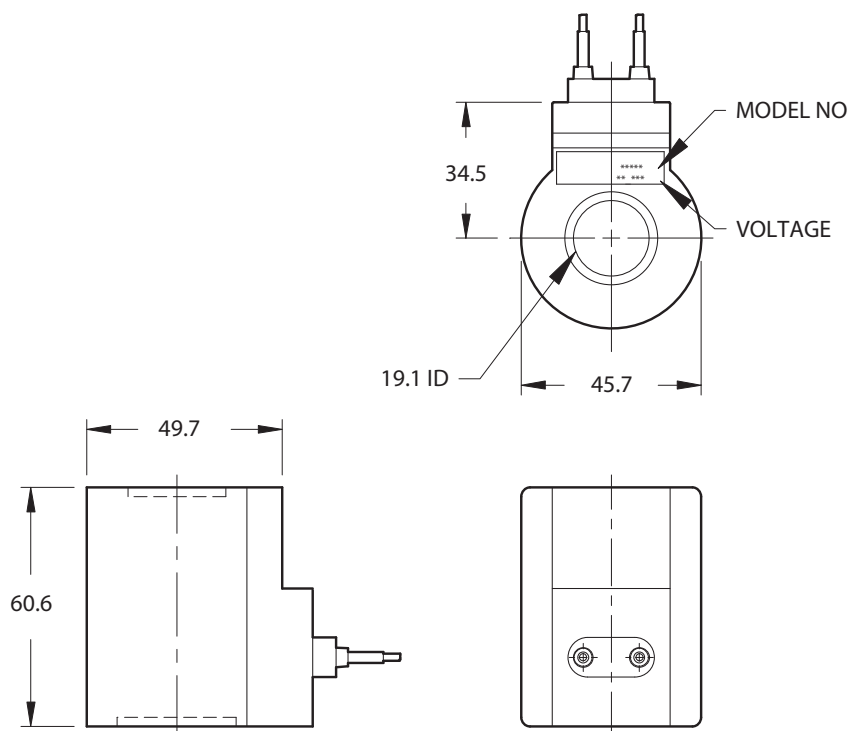
Termination
IA - AMP superseal - Integral
ID - Deutsch - Integral DT04-2P
IJ - AMP Jr. Timer - Integral
IM - Metri-Pack - Integral

Voltage
12 - 12VDC - 2.2 Amp yellow lettering
24 - 24VDC - 1.1 Amp blue lettering

*Note	Pull type valves require nut PT-NTDE36202073 in lieu of standard nut. Push type valves require nut PT-NTDE36202071 in lieu of standard nut.
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Features

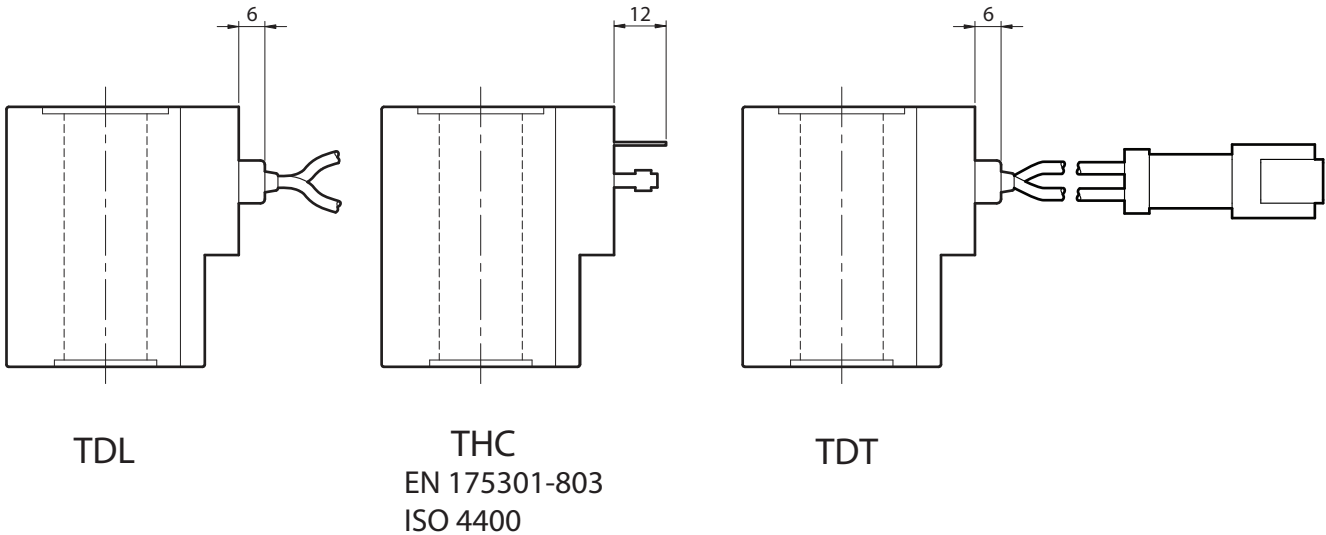
- One piece water resistant encapsulated design.
- Numerous terminals and voltages.
- This coil is non-reversible.


Specifications

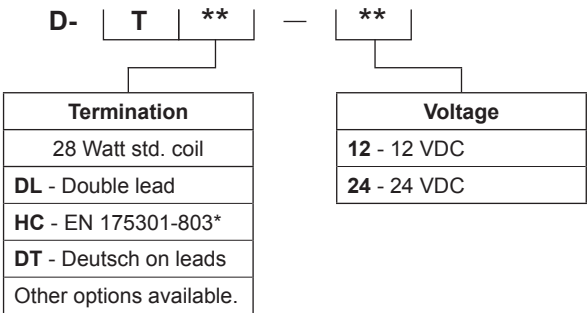
Wattage	30 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 65 (achieved with suitable connector)
Lead wires	18 gauge, 610mm long, 600 volt rating, with strain relief
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations. Material temperature range is -40°C to 200°C
Approx. coil weight	0.35 kg

Coil Model Numbers

Termination	TDL	THC	TDT
Description	Double Lead	EN 175301-803*	Deutsch on Leads DT04-2P
Voltage	12VDC	12VDC	12VDC
Amp	2.5	2.5	2.5
Voltage	24VDC	24VDC	24VDC
Amp	1.25	1.25	1.25



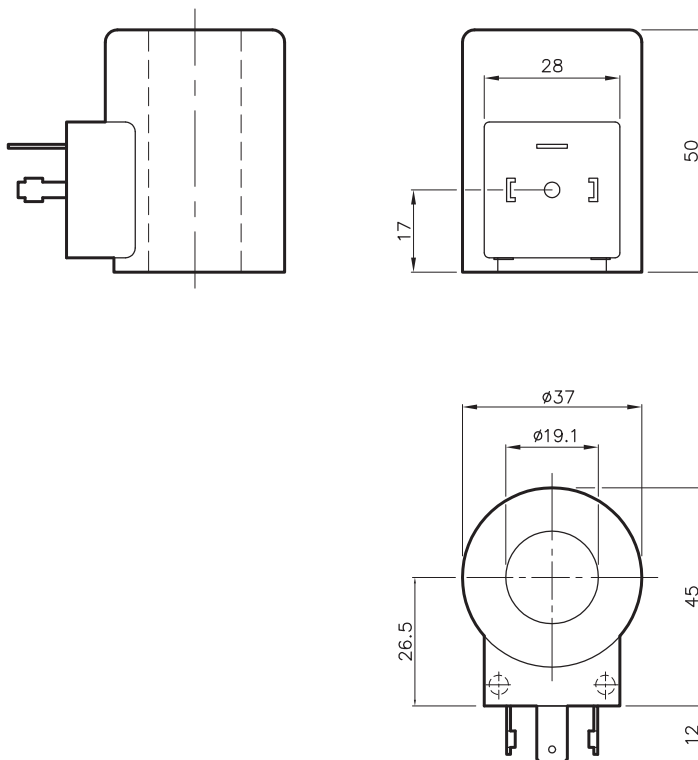
Ordering Code



*Formerly DIN 43650 Hirschmann connector.


Features

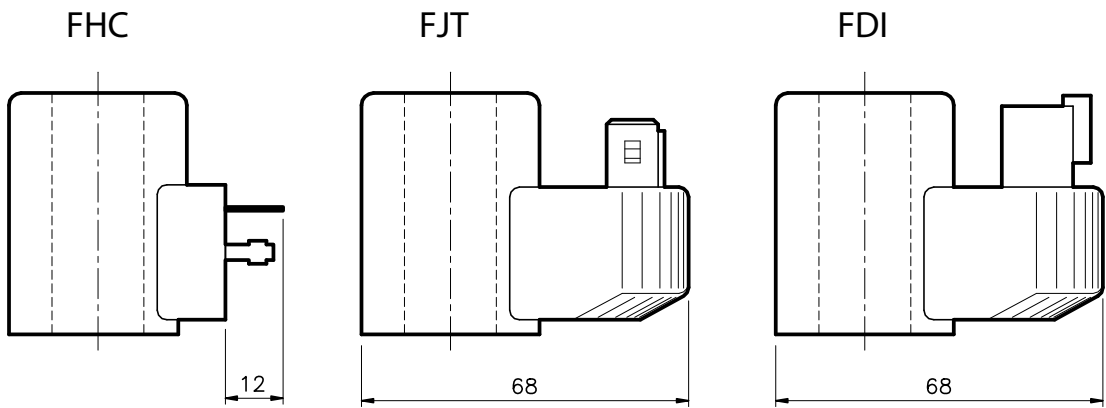
- One piece water resistant encapsulated design.
- Numerous terminals and voltages available.
- Internal arc suppression diodes available on request.


Specifications

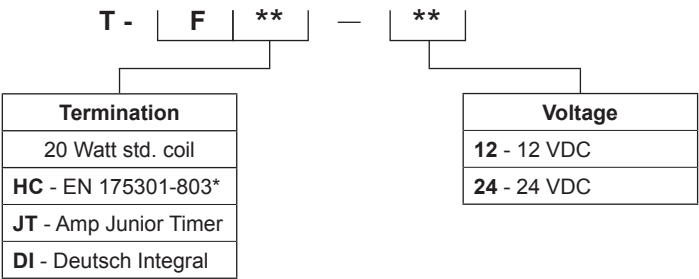
Wattage	19 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H for all voltages
Temperature range	-40°C to 200°C
Protection degree	IP 65 (achieved with suitable connector)
Lead wires	18 gauge, 610mm long, 600 volt rating, with strain relief
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations. Metallic parts protected against oxidation.
Approx. coil weight	0.22 kg

Coil Model Numbers

Termination	FHC	FJT	FDI
Description	EN 175301-803*	Amp Junior Timer	Deutsch Integral DT04-2P
Voltage	12VDC	12VDC	12VDC
Amp	1.66	1.66	1.66
Voltage	24VDC	24VDC	24VDC
Amp	0.83	0.83	0.83



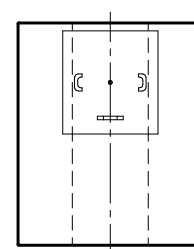
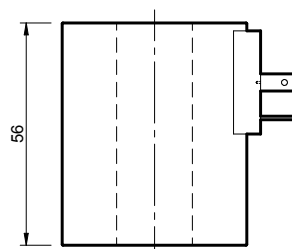
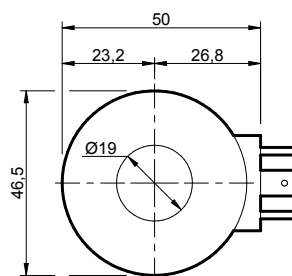
Ordering Code



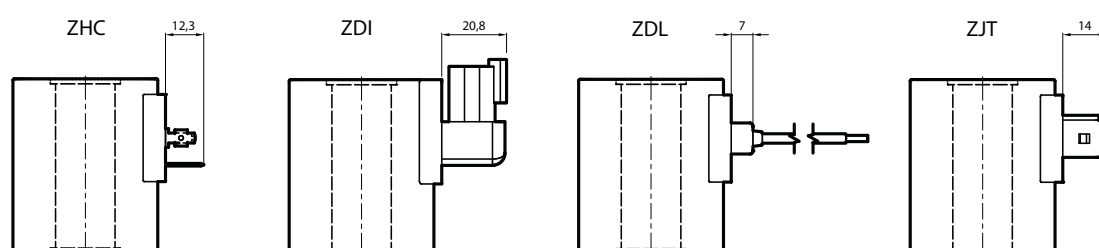
*Formerly DIN 43650 Hirschmann connector.


Features

- One piece encapsulated design.
- Weatherproof
- Immersion proof.
- Thermal shock / dunk tested.
- No external metal shell.


Specifications

Wattage	27 watts nominal
Duty rating	Continuous duty $\pm 10\%$ rated voltage at 49°C ambient
Minimum current for actuation	80% of rated current at room temperature
Magnet wire class	H
Temperature range	-30°C to 60°C
Protection degree	IP 65 (with connector and suitable seals)
Encapsulating material	Glass filled polyester, resistant to moisture, caustic solutions, fungus and vibrations.
Approx. coil weight	0.25 kg


Ordering Code

T-	Z	**	—	**
Termination			Voltage	
HC - EN 175301-803*			12 - 12VDC	
DI - Deutsch - Integral DT04-2P			24 - 24VDC	
DL - Double Lead			22 - 220VAC**	
JT - AMP Junior Timer				

*Formerly DIN 43650 Hirschmann connector.

**Without internal rectifier (for HC termination only) supply voltage must be externally rectified.