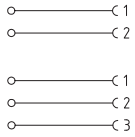
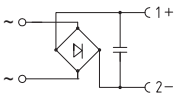
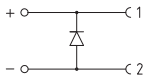
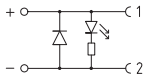
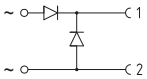
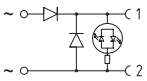
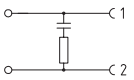
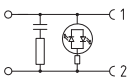
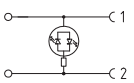
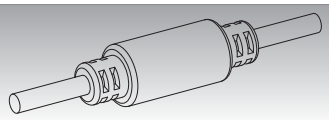
IN2CONNECT
ELECTRONIC CONNECTORS

HTP®
HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS

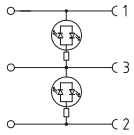
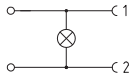
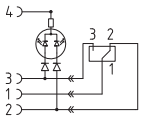
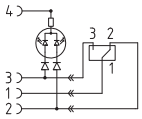
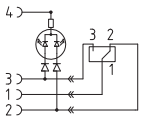
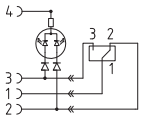
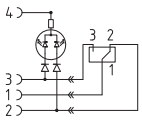
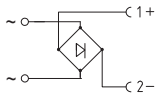
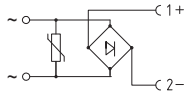
Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC		250V 300V	**00**	-	Circuit without electronic components.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		10-230V	**CR**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **Condenser** to reduce the ripple on the output.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
DC		1-230V	**D0**	-	Circuit with **Diode** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
DC		12V 24V 48V 115V 230V	**DG** **DL** **DV**	Yellow Red Green	Circuit with **Diode** to give overvoltage protection when switching off supply and **unipolar** indicator **Led** to confirm voltage supply. Must be respected the polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		1-230V	**E1**	-	Circuit with **Half-wave rectifier** and **Diode** to give overvoltage protection when switching off supply.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		12V 24V 48V 115V 230V	**EG** **EL** **EV**	Yellow Red Green	Circuit with **Half-wave rectifier** + **Diode** to give overvoltage protection when switching off supply and **bipolar** indicator **Led** to confirm voltage supply.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
AC / DC		10-230V	**F0**	-	**RC decay circuit** to dissipate high energies generate by highly inductive loads.	G1 - G1C G4	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
AC / DC		12V 24V 48V 115V 230V	**FG** **FL** **FV**	Yellow Red Green	**RC decay circuit** to dissipate high energies generate by highly inductive loads and **bipolar** indicator **Led** to confirm voltage supply.	G1-G1C G4	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC / DC		12V 24V 48V 115V 230V	**L8** **L0** **L9**	Yellow Red Green	**Circuit with bipolar** indicator **Led** to confirm voltage supply. Circuit without protection components.	G1-G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C

***** = Product avaible with case overmoulded on the cable.

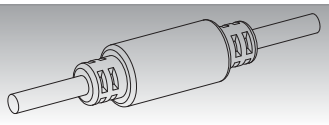


HTP®
HIGH TECH PRODUCTS S.R.L.

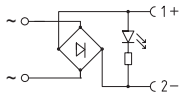
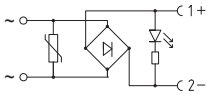
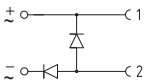
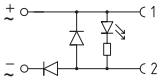
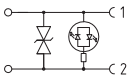
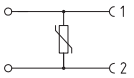
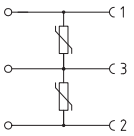
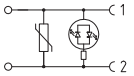
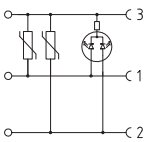
VALVE CONNECTORS

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC		12V 24V 48V 115V 230V	**L2**	Red	**Circuit with n°2 bipolar** indicator **Leds** to confirm voltage supply. Circuit without protection components.	G1 - G1C G4	-
AC / DC		12V 24V 48V 115V 230V	**P0**	White	Circuit with **filament lamp indicator** to confirm voltage supply. Circuit without protection components.	G1 - G1C G4 M1 M2	-
DC		12V 24V 48V 115V 230V	**Q0**	PIN 2:Red PIN 3:Green	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1-G1C G4	CG1
DC		12V 24V 48V 115V 230V	**Q1**	PIN 2:Yellow PIN 3:Green	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
DC		12V 24V 48V 115V 230V	**Q2**	PIN 2:Green PIN 3:Yellow	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
DC		12V 24V 48V 115V 230V	**Q6**	PIN 1:Green PIN 2:Red	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 G4	CG1
DC		12V 24V 48V 115V 230V	**Q8**	PIN 2:Green PIN 3:Red	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
AC		1-230V	**R0**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC). Circuit without protection components.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC		12V 24V 48V 115V 230V	**RV**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **Varistor** to give overvoltage protection when switching off supply.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*

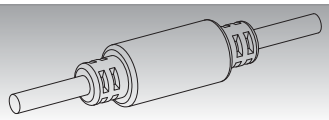
* = Product avaible with case overmoulded on the cable.



VALVE CONNECTORS

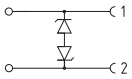
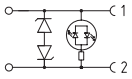
Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC		12V 24V 48V 115V 230V	**RE**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **unipolar** indicator **Led** to confirm voltage supply. Circuit without protection components.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC		12V 24V 48V 115V 230V	**RG**	Yellow	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **Varistor** to give overvoltage protection when switching off supply + **unipolar** indicator **Led** to confirm voltage supply.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
			RL	Red			
AC / DC		1-230V	**SO**	-	Circuit with **Half-wave rectifier** and **Diode** to give overvoltage protection when switching off supply. With AC it eliminates half a cycle.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC / DC		12V 24V 48V 115V 230V	**SG**	Yellow	Circuit with **Half-wave rectifier** and **Diode** to give overvoltage protection when switching off supply + **unipolar** indicator **Led** to confirm voltage supply. With AC it eliminates half a cycle.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
			SL	Red			
			SV	Green			
AC / DC		24V	**TG**	Yellow	Circuit with **Transient** suppressor(Transil) to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
			TL	Red			
			TV	Green			
AC / DC		12V 24V 48V 115V 230V	**V0**	-	Circuit with **Varistor** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC / DC		12V 24V 48V 115V 230V	**V2**	-	**Circuit with n°2 Varistors** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4	CG1 CGB CP1* CP2* CP2C*
AC / DC		12V 24V 48V 115V 230V	**VG**	Yellow	Circuit with **Varistor** to give overvoltage protection when switching off supply and **bipolar** indicator **Led** to confirm voltage supply. Circuit protection component indipendent of polarity direction.	G1-G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
			VL	Red			
			VV	Green			
AC / DC		12V 24V 48V 115V 230V	**WL**	PIN 1:Yellow PIN 2:Red	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and **n°2 Varistors** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1-G1C G4	CG1 CGB CP1* CP2* CP2C*

*** = Product avaible with case overmoulded on the cable.**



HTP®
HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC		12V 24V 48V 115V 230V	**Z2**	-	Circuit with **n°2 Zener diodes** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
AC / DC		12V 24V 48V 115V 230V	**ZG**	Yellow	Circuit with **n°2 Zener diodes** to give overvoltage protection when switching off supply and **bipolar** indicator **Led** to confirm voltage supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
			ZL	Red			
			ZV	Green			

In2Connect UK Ltd

Unit L, Tyson Courtyard

Weldon South Industrial Estate

Corby

Northants

NN18 8AZ

Tel: 01962 773004

sales@in2connect.uk.com

NOTE:

-  The circuits with **Full-wave rectifier** component, are available also with 4diodes instead of only one component. Add on the standard code the suffix - 4D.
- All the circuits with diodes are standard delivered for rated current 1A, but on customer request are also avaible diodes for rated current 3A.
- All the circuits with unipolar or bipolar leds are standard delivered in RED colour.
- The minimum lenght of the cable requested between the overmoulded connector head and moulded case is 100mm.
- In case of other circuits or components are requested please contact us to verify the feasibility.

*** = Product avaible with case overmoulded on the cable.**