GENERAL FEATURES:

Cable Gland :
PG7: ø CABLE 4-6mm
PG9 : ø CABLE 6-8mm.
PG11 : ø CABLE 6-10mm.
1/2" NPTF : ø CABLE 8-10mm.
SK(G1) : ø CABLE 4-8.6mm.
SK(M1-M2) : ø CABLE 4-8.6mm.
SK(P1-P2) : ø CABLE 3.5-5.5mm.

Conductor cross section :
0.50(20AWG)...1.50mm²(16AWG).

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
G1-G4-M1-M2-P2 series: Max. 0.5 N*m.
P1 series: Max. 0.4 N*m.

Type of terminations :
Screw(with protection plate).

Contact material and treatment :
Brass + Silver plated.

Max. contact screw torque IEC60947-1 :
G1-G4-M1-M2 series: Max. 0.5 N * m.
P1-P2 series: Max. 0.4 N * m.

Housing material :
PA66 UL94-V2 standard.
PA66 UL94 -V0 ATEX approved.
PA66 UL94 -V0 UL approved.

Internal core material :
PA66 UL94-V2 standard.
PA66 UL94-V0 ATEX approved.
PA66 UL94-V0 UL approved.

Flammability resistance :
UL94-V2 - Standard.
UL94 V0 ATEX approved.
UL94-V0 - UL approved.

Protection class :
IP 65 / 66 / 67 (assembled).

Operating temperature :
-40°C +90°C Standard (with NBR gasket).
-40°C +125°C Standard (Black with Silicone gasket).
-20°C +85°C Atex approved.
-40°C +65°C (Transparent or Black) ULapproved(-UL).
-40°C +90°C (Black) ULapproved (-UL1).
-40°C +120°C (Black) ULapproved (-UL4).

Nominal current :
G1-G4-M1-M2 series: 10A.
P1-P2 series: 6A.

Max contact current :
G1-G4-M1-M2 series: 16A
P1-P2 series: 10A.
G1-G4-M1-M2 ATEX series: 10A*
P1-P2 series: 6A*.
*Max current permanent ammisible for one contacts pair.

#	G1	N	U	2	00	0	-	##

PACKAGING
NO DIGIT : STANDARD PACKAGING.
I : SINGLE BAG.

SERIES
G1 : EN175301-803 form A (18mm).
G1C : EN175301-803 form A (18mm) complete with COVER.
G1F : EN175301-803 form A (18mm) suitable for FASTONS contacts.
G4 : Form A (18mm) Housing height : ~46mm.
M1 : INDUSTRIAL form B (11mm).
M2 : EN175301-803 form B (10mm).
P1 : EN175301-803 form C (8mm).
P2 : MICRO INDUSTRIAL form C (9.4mm).

COLOUR
B : BLUE.
G : GREY.
N : BLACK (STANDARD).
T : TRANSPARENT (STANDARD).

CABLE GLAND
F : 1/2" NPTF (form A and form B/INDUSTRIAL).
P : M16X1.5 (form B).
S : PG9 (form B/INDUSTRIAL).
U : PG9/11 UNIFIED (form A).
Z : PG7 (form C/MICRO INDUSTRIAL).

POLES No.
2 : 2POLES + EARTH.
3 : 3POLES + EARTH.

CIRCUIT TYPE
SEE CIRCUITS FEATURES PAGE.

VOLTAGE
0 : 250V / 300V.
1 : 24V.
2 : 115V.
3 : 230V.
4 : 12V.
5 : 48 V.

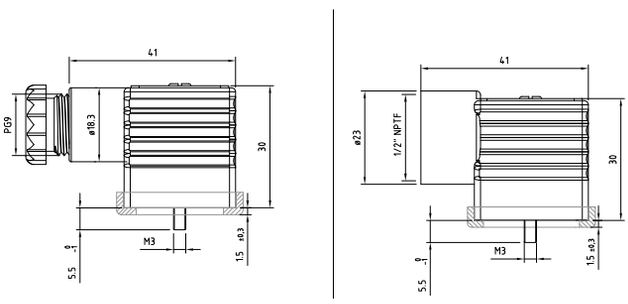
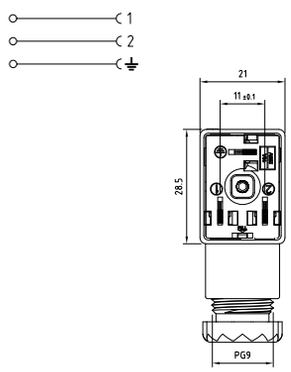
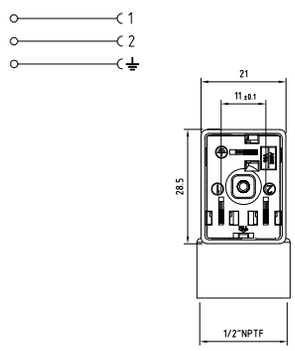
SOME VARIABLES
ATEX : ATEX CONFORM.
H : EXAGONAL PRESS-CABLE.
IG : INTEGRATED GASKET.
P : FLAT GASKET.
SK : CABLE GLAND SK STYLE.
3A : ELECTRONIC WITH 3A COMPONENTS.
4D : BRIDGE RECTIFIER WITH 4 DIODES.
SS : STAINLESS STEEL SCREW.
UL : UL APPROVED -40°C +65°C (Black or Transparent connector).
UL1 : UL APPROVED -40°C +90°C (Black connector).
UL4 : UL APPROVED -40°C +125°C (Black connector).
Y : WITHOUT H.T.P.LOGO.

VALVE CONNECTORS

Field attachable connectors - Form B - Industrial





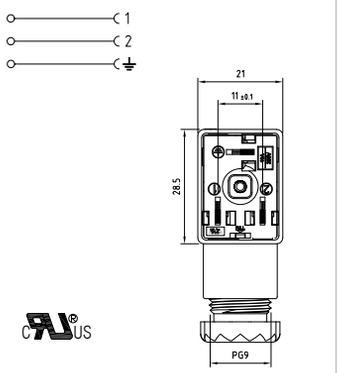
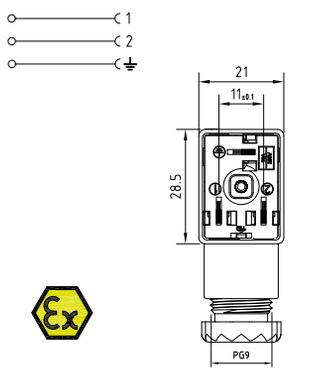
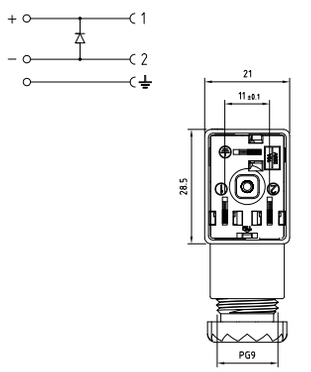
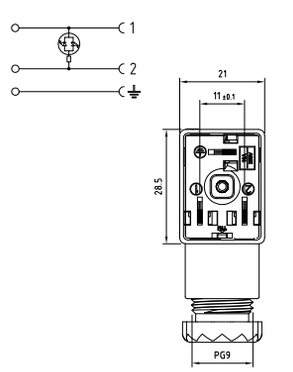
Technical drawing		
		
Product description		
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial
Construction type	B	B
Part number	**M1NS2000**	**M1NF2000**
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	11mm	11mm
Number of contacts	2poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing height	30mm	30mm
Cable gland	PG9	1/2" NPTF
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 6-8mm	ø cable 8-10mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs / box	50pcs / box
Other accessories options		
See accessories section		
Notes:	Connector with Grey Housing: P/N M1GS2000	Connector with Grey Housing: P/N M1GF2000 Connector without press-cable screw

VALVE CONNECTORS

Field attachable connectors - Form B - Industrial

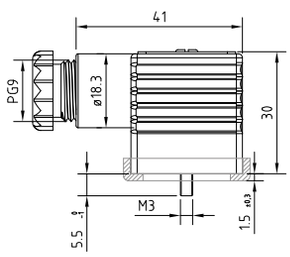
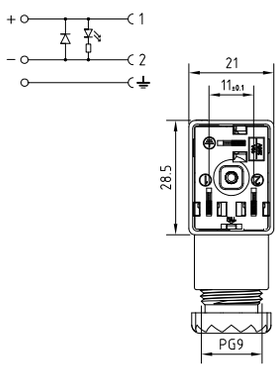
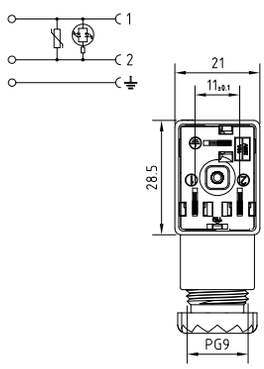
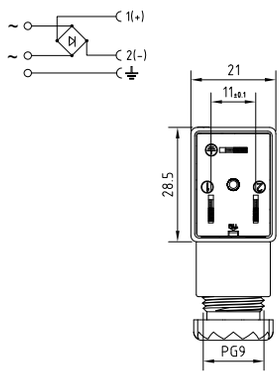





					
Product description					
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Industrial	Industrial	Industrial	Industrial		
B	B	B	B		
M1NS2000-UL	**M1NS2000-ATEX**	**M1NS2D03**	**M1TS2L01**	**M1TS2L02**	**M1TS2L03**
Rectangular connector M1 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.		
11mm	11mm	11mm	11mm		
2poles + P.E.	2poles + P.E.	2poles + P.E.	2poles + P.E.		
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)		
Black	Black	Black	Transparent		
30mm	30mm	30mm	30mm		
PG9	PG9	PG9	PG9		
Profiled NBR gasket	Flat Silicone gasket	Profiled NBR gasket	Profiled NBR gasket		
Technical data					
Screw contacts	Screw contacts	Screw contacts	Screw contacts		
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m		
250V AC/ 300VDC	230V AC/ 300VDC	1-230V DC	24V AC/DC	115V AC/DC	230V AC/DC
-	-	Diode(1A)	Bipolar Led		
-	-	-	Red		
ø cable 6-8mm	ø cable 6-8mm	ø cable 6-8mm	ø cable 6-8mm		
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm		
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m		
Packaging					
50pcs / box	Singly paked in plastic bag	50pcs / box	50pcs / box		
Other accessories options					
See accessories section					
Notes: Connector available with different circuits.			Connector available with different led colour		





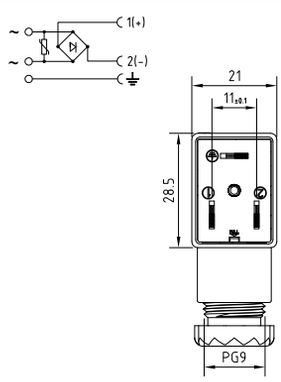
Technical drawing							
							
Product description							
Connector type	DIN valve connectors			DIN valve connectors			DIN valve connectors
Conforms to	Industrial			Industrial			Industrial
Construction type	B			B			B
Part number	**M1TS2DL1**	**M1TS2DL2**	**M1TS2DL3**	**M1TS2VL1**	**M1TS2VL2**	**M1TS2VL3**	**M1NS2R03**
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	11mm			11mm			11mm
Number of contacts	2poles + P.E.			2poles + P.E.			2poles + P.E.
Earth positioning	H.12 (turnable)			H.12 (turnable)			H.12 (turnable)
Housing colour	Transparent			Transparent			Black
Housing height	30mm			30mm			30mm
Cable gland	PG9			PG9			PG9
Gasket type	Profiled NBR gasket			Profiled NBR gasket			Profiled NBR gasket
Technical data							
Type of termination	Screw contacts			Screw contacts			Screw contacts
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	1-230V AC
Circuit type	Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bidge Rectifier (1A)
Led colour	Red			Red			-
Suitable cable	ø cable 6-8mm			ø cable 6-8mm			ø cable 6-8mm
Central fixing screw	M3 L=32.5mm			M3 L=32.5mm			M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m
Packaging							
Qty/Box	50pcs / box			50pcs / box			50pcs / box
Other accessories options							
See accessories section							
Notes:	Connector available with different led colour			Connector available with different led colour			

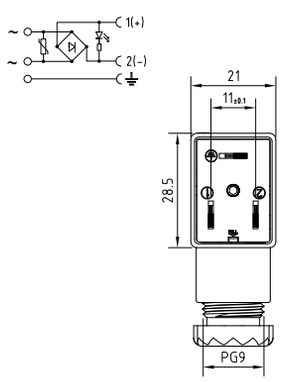
VALVE CONNECTORS

Field attachable connectors - Form B - Industrial









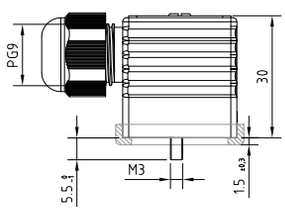
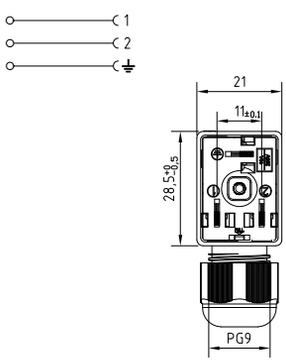
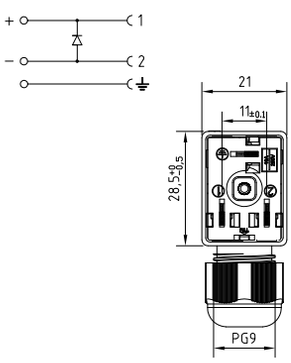
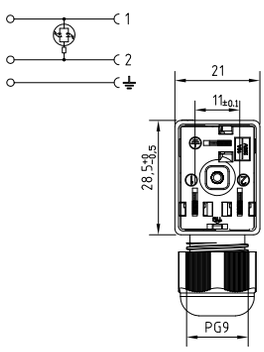
Product description							
DIN valve connectors			DIN valve connectors				
Industrial			Industrial				
B			B				
M1NS2RV1	**M1NS2RV2**	**M1NS2RV3**	**M1TS2RL1**	**M1TS2RL2**	**M1TS2RL3**		
Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.				
11mm			11mm				
2poles + P.E.			2poles + P.E.				
H.12 (turnable)			H.12 (turnable)				
Black			Transparent				
30mm			30mm				
PG9			PG9				
Profiled NBR gasket			Profiled NBR gasket				
Technical data							
Screw contacts			Screw contacts				
0.5 N*m			0.5 N*m				
24V AC	115V AC	230V AC	24V AC	115V AC	230V AC		
Full-Wave Bridge Rectifier + Varistor			Full-Wave Bridge Rectifier + Varistor + Led				
-			Red				
ø cable 6-8mm			ø cable 6-8mm				
M3 L=32.5mm			M3 L=32.5mm				
Iron+Zinc plated			Iron+Zinc plated				
0.5 N*m			0.5 N*m				
Packaging							
50pcs / box			50pcs / box				
Other accessories options							
See accessories section							
Notes:			Connector available with different led colour				

VALVE CONNECTORS

Field attachable connectors - Form B - Industrial





Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors	
Conforms to	Industrial	Industrial	Industrial	
Construction type	B	B	B	
Part number	**M1NS2000-SK**	**M1NS2D03-SK**	**M1TS2L01-SK**	**M1TS2L02-SK** / **M1TS2L03-SK**
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	11mm	11mm	11mm	
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.	
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	
Housing colour	Black	Black	Transparent	
Housing height	30mm	30mm	30mm	
Cable gland	SK - PG9	SK - PG9	SK - PG9	
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket	
Technical data				
Type of termination	Screw contacts	Screw contacts	Screw contacts	
Contact screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Rated voltage	250V AC/ 300VDC	1-230V DC	24V AC/DC	115V AC/DC / 230V AC/DC
Circuit type	-	Diode(1A)	Bipolar Led	
Led colour	-	-	Red	
Suitable cable	ø cable 4-8.6mm	ø cable 4-8.6mm	ø cable 4-8.6mm	
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Packaging				
Qty/Box	50pcs / box	50pcs / box	50pcs / box	
Other accessories options				
See accessories section				
Notes:	Connector available with different circuits.		Connector available with different led colour	

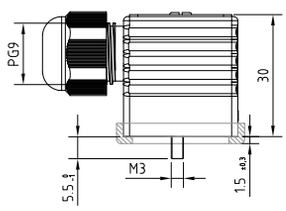
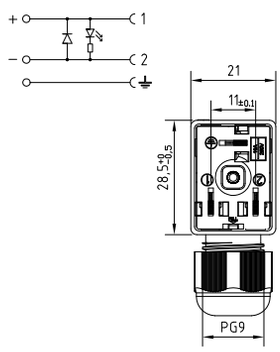
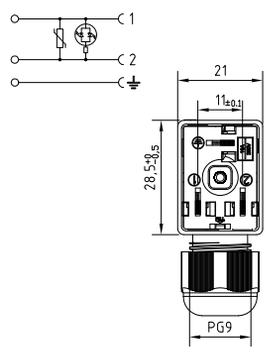
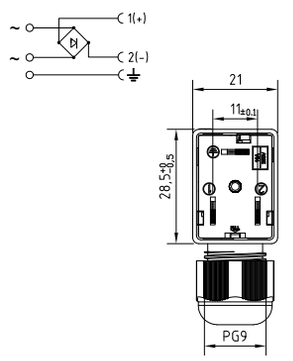
VALVE CONNECTORS

Field attachable connectors - Form B - Industrial



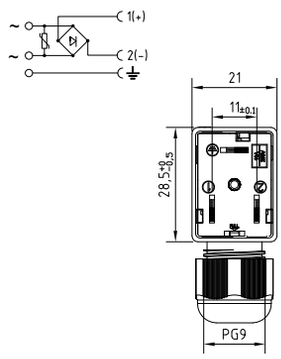


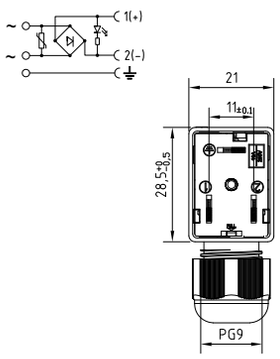


Technical drawing				
Product description				
Connector type	DIN valve connectors		DIN valve connectors	DIN valve connectors
Conforms to	Industrial		Industrial	Industrial
Construction type	B		B	B
Part number	**M1TS2DL1-SK** | **M1TS2DL2-SK** | **M1TS2DL3-SK**		**M1TS2VL1-SK** | **M1TS2VL2-SK** | **M1TS2VL3-SK**	**M1NS2R03-SK**
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.		Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	11mm		11mm	11mm
Number of contacts	2poles + P.E.		2poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)		H.12 (turnable)	H.12 (turnable)
Housing colour	Transparent		Transparent	Black
Housing height	30mm		30mm	30mm
Cable gland	SK - PG9		SK - PG9	PG9
Gasket type	Profiled NBR gasket		Profiled NBR gasket	Profiled NBR gasket
Technical data				
Type of termination	Screw contacts		Screw contacts	Screw contacts
	0.5 N*m		0.5 N*m	0.5 N*m
Rated voltage	24V DC | 115V DC | 230V DC		24V AC/DC | 115V AC/DC | 230V AC/DC	1-230V AC
Circuit type	Led + Diode(1A)		Bipolar Led + Varistor	Full-Wave Bidge Rectifier (1A)
Led colour	Red		Red	-
Suitable cable	ø cable 4-8.6mm		ø cable 4-8.6mm	ø cable 4-8.6mm
Central fixing screw	M3 L=32.5mm		M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated		Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m		0.5 N*m	0.5 N*m
Packaging				
Qty/Box	50pcs / box		50pcs / box	50pcs / box
Other accessories options				
See accessories section				
Notes:	Connector available with different led colour		Connector available with different led colour	

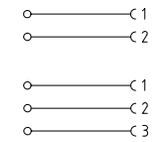
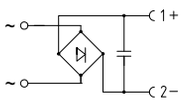
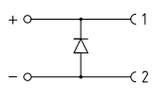
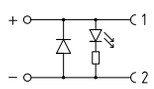
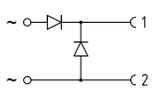
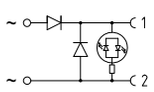
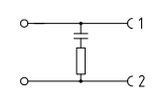
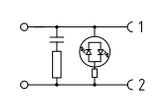
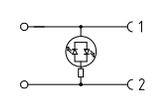




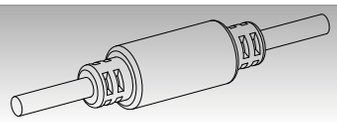




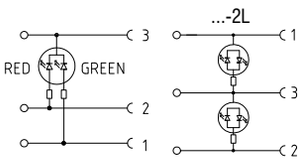
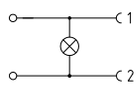
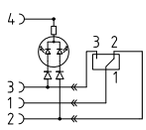
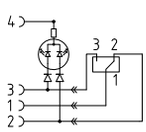
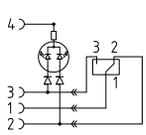
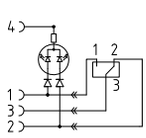
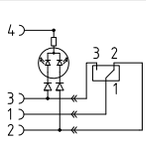
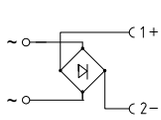
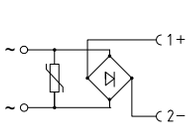
Product description							
DIN valve connectors			DIN valve connectors				
Industrial			Industrial				
B			B				
M1NS2RV1-SK	**M1NS2RV2-SK**	**M1NS2RV3-SK**	**M1TS2RL1-SK**	**M1TS2RL2-SK**	**M1TS2RL3-SK**		
Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.				
11mm			11mm				
2poles + P.E.			2poles + P.E.				
H.12 (turnable)			H.12 (turnable)				
Black			Transparent				
30mm			30mm				
SK - PG9			SK - PG9				
Profiled NBR gasket			Profiled NBR gasket				
Technical data							
Screw contacts			Screw contacts				
0.5 N*m			0.5 N*m				
24V AC	115V AC	230V AC	24V AC	115V AC	230V AC		
Full-Wave Bridge Rectifier + Varistor			Full-Wave Bridge Rectifier + Varistor + Led				
-			Red				
ø cable 4-8.6mm			ø cable 4-8.6mm				
M3 L=32.5mm			M3 L=32.5mm				
Iron+Zinc plated			Iron+Zinc plated				
0.5 N*m			0.5 N*m				
Packaging							
50pcs / box			50pcs / box				
Other accessories options							
See accessories section							
Notes:			Connector available with different led colour				

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

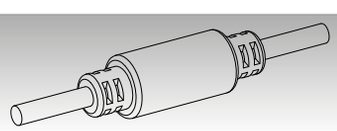
*** = Product avaible with case overmoulded on the cable.**



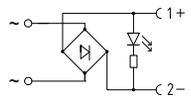
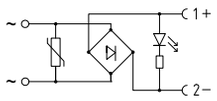
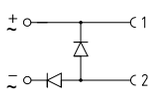
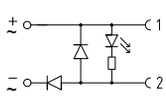
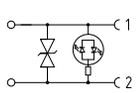
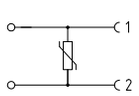
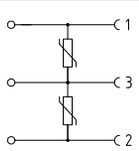
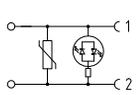
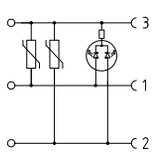
VALVE CONNECTORS
Circuits codification scheme

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**	PIN 1:Green PIN 2:Red	**Circuit with n°1 bicolour** indicator **Led**. Circuit without protection components.	G1 - G1C G4	-
			L2... -2L	Red	**Circuit with n°2 bipolar** indicator **Leds**. Circuit without protection components.		
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
Circuits codification scheme

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**	Red	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			
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
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		12V 24V 48V 115V 230V	**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	**VO**	-	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.**

