

EN 175301-803 (EX DIN 43650-A ISO 4400)

K CONNECTOR

1 ORDERING CODE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
K	*	*	*	*	*	*	*

(1) K:

(2) Connector type (see [7])

A0: 18mm - DIN43650/A 4 Pins
A1: 18mm - DIN43650/A 3 Pins
A3: 18mm - DIN43650/A 3 Pins
B1: 11mm - Industrial/B 3 Pins
C0: 8.0mm - DIN43650/C 4 Pins
C1: 8.0mm - DIN43650/A 3 Pins
D0: 9.4mm - Industrial/C 4 Pins
D1: 9.4mm - Industrial/C 3 Pins
E1: 10mm - DIN43650/B 3 Pins

(3) Number of conductors:

3: 3=2 poles + earth $\underline{\quad}$
4: 4=3 poles + earth $\underline{\quad}$

(4) Earth pos. - Gasket:

*(denotes position installed from factory.
The connector position can be rotated
during installation.)*

2: 12 profile
3: 6 profile
5: 12 flat
6: 6 flat
7: 12 not included
8: 6 not included

(5) Internal circuits [6]

00: without components
L0: Incandescent light
L3: bipolar led
L4: two bipolar LED
D0: diode & light
D1: diode
D5: diode & LED

T1: Double zener (transil)
T5: Transil & LED
C1: RC Circuit
C5: RC Circuit & LED
S1: Half wave rectifier
S5: Half wave rectifier & LED
R1: Full wave rectifier
R5: Full wave rectifier & LED
P1: 2 colour LED (for switches): PIN 3-Yellow, PIN 2 - green
P2: 2 colour LED (for switches): PIN 3 - Red, PIN 2 - green



(8) Housing

7: Pg7 (Cable entry size in Pg and colour) Black
9: Pg9 (Cable entry size in Pg and colour) Black
1: Pg11 (Cable entry size in Pg and colour) Black
3: 1/2 NPT (Cable entry size in Pg and colour) not included

(7) Connector colour

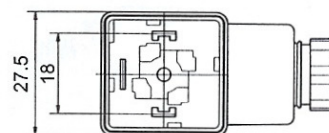
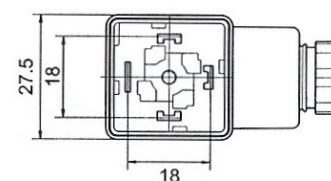
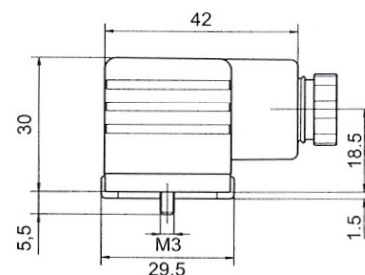
B: Black
A: Grey
T: Transparent
C: White
P: Black 6/6 (selfextinguishing)

(6) Voltage and components description

0: 12-230V without components
1: 12-24V Suppr. lamp or rectifier
2: 115V Suppr. lamp or rectifier
3: 230V Suppr. lamp or rectifier
4: 12-24V Yellow LED
5: 115V Yellow LED
6: 230V Yellow LED
7: 12-24V Red LED
8: 115V Red LED
9: 230V Red LED
A: 12-24V Green LED
B: 115V Green LED
C: 230V Green LED

3 TECHNICAL DATA

Cable entry	PG 9 (6-8 mm) PG11 - 1/2NPTF (8 - 10 mm)
Protection class	IP 65 (mated) IEC 60529
Insulation group	VDE 0110 1/89 - Class C
Working voltage	AC 250 V max. - DC 300 V max. (IEC 664)
Nominal current	10A (max. 16A / 40C°)
Contact resistance	≤ 4 mΩ
Max conductor section	3x1,5 mm ² - 4x1,5 mm ²
Housing black/grey	Internal circuits 00 - D1 - T1 - S1 - R1
Housing transparent	L0 - L3 - L4 - D0 - D5 - T5 - T5 - S5
Gasket material	NBR
Fixing screw	M3 x 32 (always included)



4 PREFERRED OPTIONS WITH CIRCUIT 00

	PG9	PG11	1/2NPTF	Black	Grey
3+ ±	°			KA042000B9	KA042000A9
		°		KA042000B1	KA042000A1
			°	KA042000B3	KA042000A3
2+ ±	°			KA132000B9	KA132000A9
		°		KA132000B1	KA132000A1
			°	KA132000B3	KA132000A3

Connectors supplied with NBR profile gasket and earth position H12

5 PREFERRED OPTIONS WITH OTHER CIRCUITS

2+ ±	24V	115V	230V	L3	T5	R1
Black	°					KA132R11B9
		°				KA132R12B9
			°			KA132R13B9
Transp.	°			KA132L34T9	KA132T54T9	
		°		KA132L35T9		
			°	KA132L36T9		

Connectors supplied with transparent or black housing, PG9 cable entry, NBR profile gasket, yellow LED, earth position H12

6 INTERNAL CIRCUITS

Input	Circuit diagram	Description	V. nom	Circuit consumption I mA	Overvoltage protection Clamping voltage range	Additional notes	Cod.
AC DC		no components	1-250				00
AC DC		Lamp indicator	24 115	33 1		filament indicator - no protection	L0
		confirming supply voltage	230	1		Neon indicator - no protection	
AC DC		Bipolar LED indicator	24 115	10 8		No protection	L3
		confirming supply voltage	230	5			
AC DC		Dual bipolar LED confirming supply voltage in booth position	24 115 230	10+10 8+8 5+5		no protection	L4
DC		Light indicator confirming supply voltage plus diode to give overvoltage protection when switching off supply	24	33		Filament lamp - polarity dependent	D0
DC		Diode to give overvoltage protection when switching off supply	1 - 250			Polarity dependent	D1
DC		LED indicator confirming supply voltage plus diode to give overvoltage protection when switching off supply	24	10		Polarity dependent	D5

6 INTERNAL CIRCUITS

Input	Circuit diagram	Description	V nom	Circuit consumption I mA	Overvoltage protection Range V	Additional notes	Cod
AC DC		Dual zener diode to give overvoltage protection to the source and load	24		34,2-37,8	Polarity independent - improved response time to overvoltages experienced when switching on & off	T1
AC DC		Bipolar LED indicator confirming supply voltage plus dual zener diode to give overvoltage protection to the source and load	24	10	34,2-37,8	Polarity independent - improved response time to overvoltages experienced when switching on & off	T5
AC DC		RC decay circuit to compensate for high energies which are by inductive highly loads	10-230			Available on cable entry versions only. Standard component values: R=100 Ohms C= 0,33 µF 250V	C1
AC DC		Bipolar LED confirming supply voltage plus RC decay circuit to compensate for high energies which are generated by inductive highly loads	115 230	8 5		Available on cable entry versions only. Standard component values: R=100 Ohms C= 0,33 µF 250V	C5
AC DC		Half wave rectifier plus blocking diode to give overvoltage protection when switching off. Nominal current 1A	1-230			In ac eliminates half cycle	S1
AC DC		Half wave rectifier plus LED confirming supply voltage plus blocking diode to give overvoltage protection when switching off. Nominal current 1A	24	10		In ac eliminates half a cycle	S5
AC		Full wave bridge rectifier plus varistor to protect the device from supply overvoltages. Nominal current 1A	24 115 230		42-52 185-225 351-29	With DC supply the output polarity is maintained independently by the input polarity	R1
AC		Full wave bridge rectifier plus LED confirming supply voltage plus varistor to protect the device from supply overvoltages. Nominal current 1A	24 115 230	10 8 5	42-52 185-225 351-429	With DC supply the output polarity is maintained independently by the input polarity	R5

7 TYPES AVAILABLE

