



EC

ELECTRIC CONNECTORS

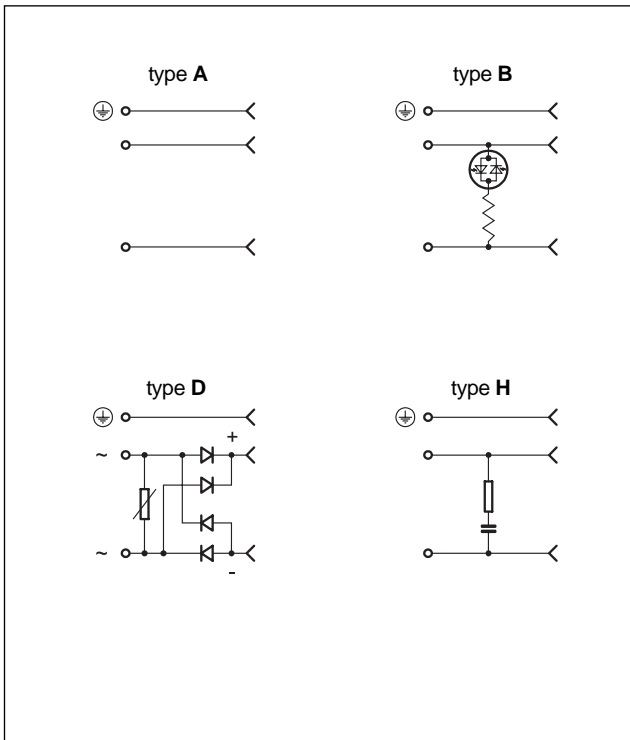
SERIES 10

DIN 43650

ISO 44000

type A

ELECTRICAL DIAGRAM



DESCRIPTION

- The EC connectors, according to DIN 43650 and ISO 44000, are in the model "A" configuration and are used mainly for the electrical connection of valve solenoids.
- When they are correctly installed and coupled they provide waterproof protection according to EN60529 specifications, class of protection IP65.
- The class of insulation is therefore in compliance with VDE 01101/89 specifications, operating voltage up to 250 Volt.
- The wire terminal block can be extracted from the external housing to allow the wire connections to the relative clamps to be made and allow the gland orientation as regards the electrical contacts to be turned through 90° as necessitated by the wiring (except version H).
- The EC connectors are available in four different types with specific functions:
 - type A, connector two poles + ground
 - type B, with lamp (available in 10 ÷ 50 and 70 ÷ 250 voltages)
 - type D, with bridge rectifier
 - type H, with RC damping circuit
- They are available in two colours, grey and black, to distinguish the mounting on solenoid "a" or "b" ports. (except version "b" in which they are transparent)
- They are supplied with M3 fastening bolt and NBR gasket.

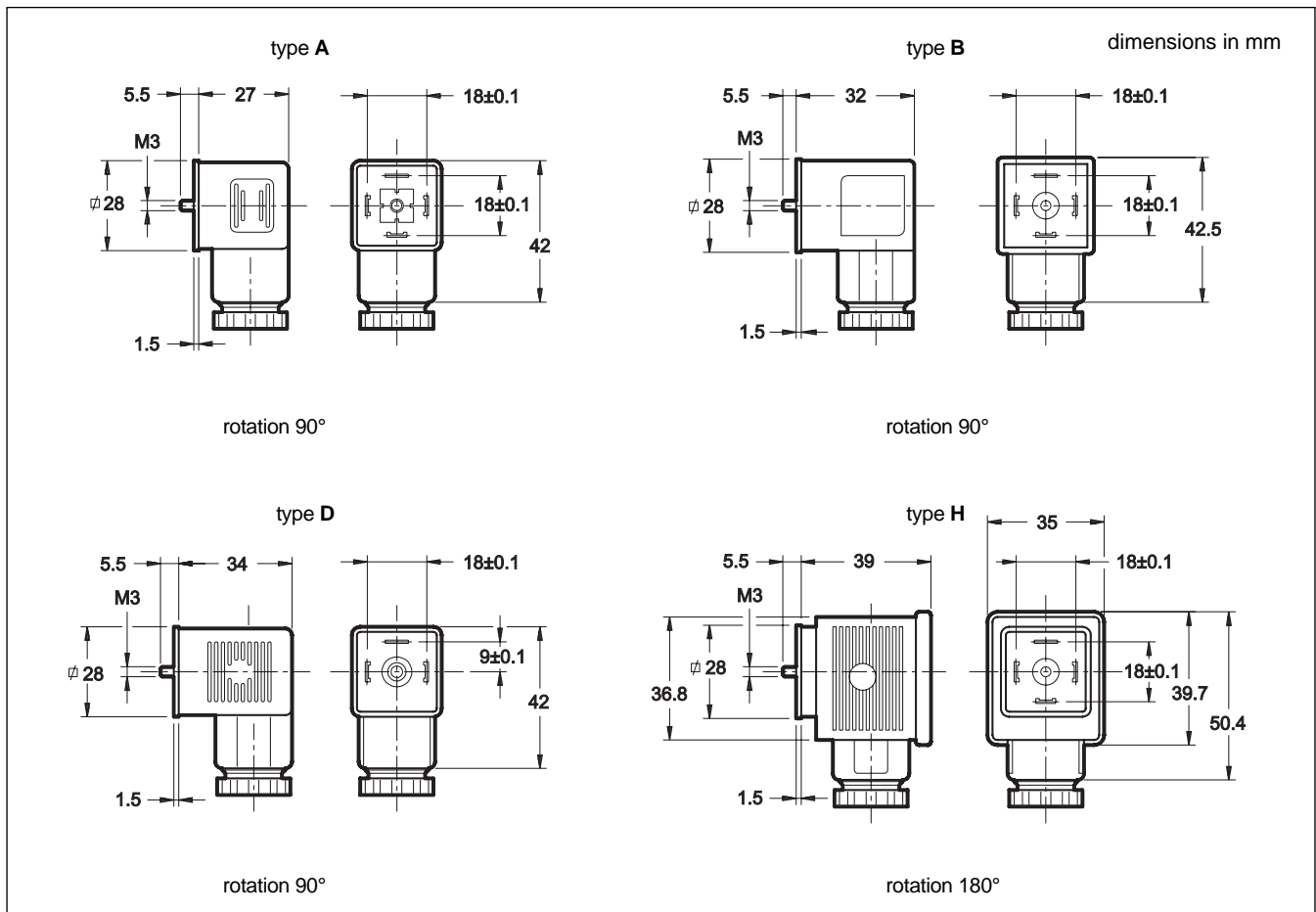
SPECIFICATIONS		type A	type B	type D	type H
Operating voltage	VCC - VCA	up to 230	10 ÷ 50 / 70 ÷ 250	up to 230	up to 230
Number of connections		2 + ground			
Current on connections	nominal		10		
	maximum	A	16		
Contact resistance	mΩ		≤ 4		
Maximum conductor cross section	mm ²		1,5		
Wire external diameter	mm		6 ÷ 8		
Gland dimension		Pg 9			
Protection class		IP 65 EN 60529			
Insulation class		VDE 0110-1/89			
Operating temperature	° C	- 40 ÷ + 90			



1 - IDENTIFICATION CODE

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E	C	/	/	10				
DIN 43650 electric connector			Series No. (the overall and mounting dimensions remain unchanged from 10 to 19)					
Connector type			A = grey colour for solenoid side a B = black colour for solenoid side b N = transparent for both solenoids					
A = connector two poles + ground B1 = connector two poles + ground with lamp which turns on when the solenoid is energized power supply voltage 10 ÷ 50 VDC/VAC B2 = connector two poles + ground with lamp which turns on when the solenoid is energized power supply voltage 70 ÷ 250 VDC/VAC D = connector two poles + ground with Graetz bridge rectifier: the choice of this type of connector need an alternating current power supply and the use of CCR and RAC direct current coils. H = connector two poles + ground with RC damping circuit , to avoid voltage peaks as circuit opening, suitable for alternating and direct current coils.								
N.B. For A - D - H connector types no need to specify operating voltage as the power supply voltage is up to 230 V.								

2 - OVERALL AND MOUNTING DIMENSIONS



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