

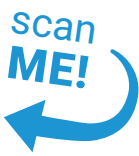
CONNECTORS

EN 175 301-803 (DIN 43650)



Circuits				
without	freewheeling diode (D)	LED + VDR (L)	rectifier (R)	power reduction (Y)

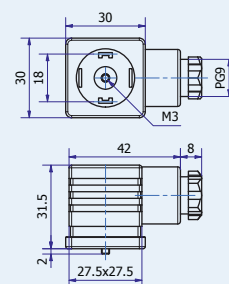
General	
connectors standard	EN 175301-803 (DIN 43650) form A and C, form D = similar EN 175301-803 form B
design	connector with screw connection
cable entry	PG 7, PG 9 or PG 11
temperature range	-40°C to +100°C, with electronic components max. +80°C
material	PA 6 glass fiber-reinforced, contact material silver-plated
scope of delivery	connector including profile seal in NBR and center screw M3
tightening torque	0,5 Nm for form A and D, 0,2 Nm for form C
max. cable diameter	PG 7 = 4 – 6 mm, PG 9 = 5 – 7 mm, PG 11 = 6 – 9 mm



Electrical	
voltage	direct and alternating current
protection class	IP65 according DIN EN 60529 (DIN 40050), if correctly mounted
contact load	see specifications of the particular type
LED colour	yellow
max. wire cross section	1,5 mm ² rigid wire at form A and D, 1 mm ² rigid wire at form C
non-standard version	flat seal in NBR or in silicone, profile seal in silicone

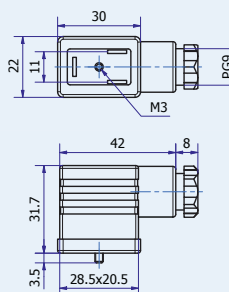
Connectors with interface according to DIN EN 175301-803 (DIN 43650) form A

type (order-no.)	voltage in V	current	internal electronic circuits	max. contact load in A
GS2A09	0 - 250	AC, DC	-	10
GS2A09D230	0 - 230	DC	freewheeling diode	4
GT2A09O024	24	AC, DC	LED + TVS diode	5
GT2A09L230	230	AC, DC	LED + VDR	5
GS2A09R024	24	AC, DC	rectifier + VDR output voltage 20 V DC	4
GS2A09R230	230	AC, DC	rectifier + VDR output voltage 207 V DC	1
GT2A09Y024	24	DC	power reduction 40% output power after 600 msec	0,1 - 2



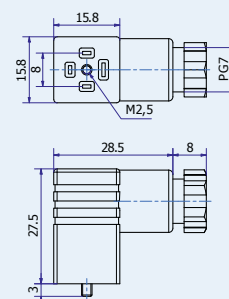
Connectors with interface form D, similar to DIN EN 175301-803 (DIN 43650) form B

type (order-no.)	voltage in V	current	internal electronic circuits	max. contact load in A
GS2D09	0 - 250	AC, DC	-	10
GS2D09D230	0 - 230	DC	freewheeling diode	4
GT2D09O024	24	AC, DC	LED + TVS diode	5
GT2D09L230	230	AC, DC	LED + VDR	5



Connectors with interface according to DIN EN 175301-803 (DIN 43650) form C

type (order-no.)	voltage in V	current	internal electronic circuits	max. contact load in A
GS2C07	0 - 250	AC, DC	-	6
GS2C07D230	0 - 230	DC	freewheeling diode	4
GT2C07L024	24	AC, DC	LED + VDR	5
GT2C07L230	230	AC, DC	LED + VDR	5





CONNECTORS

EN 175 301-803 (DIN 43650)

Connectors							
order code	G	S	2	A	09	L	230
Code decoding							
connector	G = with cable entry and profile seal between coil and connector in NBR						
colour	S = black, G = grey, T = transparent						
number of contacts	2 = 2 + PE, 3 = 3 + PE						
interface	A = DIN 43650A, C = DIN 43650C, D = similar to DIN 43650 B but industrial form						
cable entry	07 = PG 7, 09 = PG 9, 11 = PG 11						
electrical wiring	D = protecting diode						
	L = LED light diode + varistor						
	M = LED light diode + freewheeling diode						
	N = LED light diode + RC element						
	O = LED light diode + TVS diode						
	V = varistor						
	R = rectifier + varistor						
	X = RC element						
supply voltage	Y = voltage reduction to a value <40% after 0,6 sec + LED light diode						
	012 = 12 V, 024 = 24 V, 110 = 110 V, 230 = 230 V						
type of current	AC = alternating current, DC = direct current, UC = universal current						