

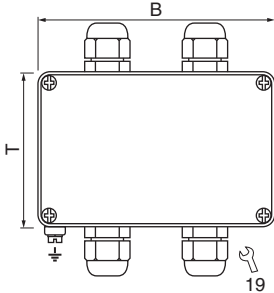
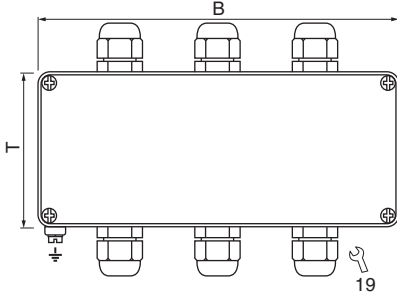

- Junction box • Device category 2G and 2D

Series GK...

For the connection of supply and signal lines in explosion-hazardous areas of zone 1 and zone 21

Connection type screw terminals



Design	GK EI...		
Dimensions			
ID-No.	Z01231	Z01243	Z01245
Type	GK EI 080 S K	GK EEI 100 S K	GK EII 100 S K
Amount of terminals	4 / 4	4 + 4 / 4	4 / 4 + 4
Dimensions (BxTxH) [mm]	98x64x36	150x64x36	150x64x36
Type of protection	Gas: increased safety / intrinsic safety Dust: protection through enclosure / intrinsic safety		
Ex marking	Gas: II 2G Ex eb ib/ia IIC T6 Gb Dust:  II 2D Ex tb ib/ia IIIC T75°C Db		
Certificate No.	TÜV 16 ATEX 152979 X		
Ambient temperature [°C]	Gas: T3, T4, T5, T6: -20 ≤ Ta ≤ +70 Dust: -20 ≤ Ta ≤ +70		
Voltage [V]	Um ≤ 275 / Ui 90		
Current [A]	Im ≤ 2 / Ii 2.0		
Connection type	screw terminals		
Rated cross-section	„i“ single wire: 0.33...4.0 mm ² / flexible: 0.33...2.5 mm ² flexible: 0.33...1.5 mm ² (with wire end ferrule) „e+t“ single wire: 0.50...2.5 mm ² / flexible: 0.50...1.5 mm ² flexible: 0.50...1.5 mm ² (with wire end ferrule)		
Clamping range of cable gland [mm]	5.0...8.0		
Material	housing: aluminium powder coated / cable gland: PA/CR		
Protection [EN 60529]	IP 65		
Connection	terminal compartment		

Notes:

The Ex-junction box type GK... is designed for the connection of intrinsically safe and/or non-intrinsically safe circuits in explosion-hazardous areas of category 2. Outside of the housing, the lines must be installed permanently; further provisions must be observed if required.

Additional housings, additional clamps and metal cable glands are available on request.