

TECHNOPOLYMER SURFACE-MOUNTING WATERTIGHT JUNCTION BOXES

Renewed, to stand out

A complete system of watertight surface-mounting junction boxes made from groundbreaking materials to provide innovative solutions.

This range consists of three lines:

- boxes in GWPLAST 75 - GWT 650°C for ordinary junctions
- boxes in GWPLAST 75 - GWT 960°C for special uses (RINA certified)
- boxes in GWPLAST 120 - GWT 650°C for industrial uses

The main advantages are:

- three different types of self-extinguishing material, two of them halogen-free and the other UL94: V0
- three degrees of protection - IP44, IP55 and IP56
- 11 sizes available in two versions - with smooth walls or with the new quick-entry cable gland
- 6 types of cover: clip/screw, ¼ turn screw, blank/transparent, plain/deep
- watertight junction boxes with a high-capacity bottom, with smooth walls (without ribs) for assembling conduits with diameters up to 50mm



Versions for photovoltaic applications



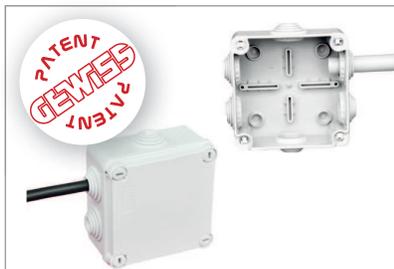
Versions with halogen-free material



Versions with GWT 960°C material

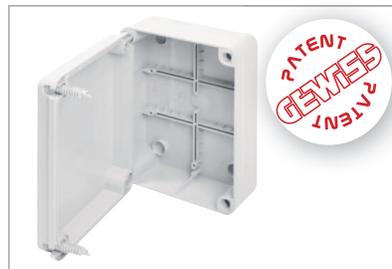


Versions with RINA certification



Boxes fitted with the new cable gland

The new quick-entry cable gland offers high mechanical performance levels and innovative geometry for use with rigid cables and conduits, improving the practicality and reliability of the IP degree of protection.



“Spherical head” screws and box back grooves

The screws for closing the 190x140mm cover in insulating material allow the easy application of tamper-proof seals, and also double up as hinges (patented technology). The grooves on the back of the box facilitate the assembly of devices, terminal blocks and back-mounting plates



Unlosable cover and inner edge with innovative profile

The cover of 1/4 turn screws junction boxes can be easily handled in any type of installation and makes quick maintenance operations possible.

The 1/4 turn screws are also unlosable. The innovative inner edge guarantees retention of the IP degree over time.

44 CE

TECHNOPOLYMER SURFACE-MOUNTING WATERTIGHT JUNCTION BOXES

44 CE RANGE - SURFACE-MOUNTING JUNCTION BOXES									
Material	Technopolymer GW PLAST 75								
Heat resistance	Thermo-pressure with ball: 85°C								
Fire resistance	Glow Wire Test: 650°C - UL94: HB								
Applications	For ordinary junctions								
Degree of protection	IP44	IP55			IP56				
Walls	with quick-entry cable glands	with quick-entry cable glands		smooth	smooth				
Depth of back-mounting box	standard	standard		standard	standard		high-capacity		
Cover	blank plain	1/4 turn screws blank plain	blank plain	1/4 turn screws blank plain	blank plain	blank deep	blank plain	transparent plain	
INTERNAL DIMENSIONS OF BOX BASE LxH (mm)									
	Ø65	GW 44 001							
	Ø80	GW 44 002							
	80 x 80	GW 44 003							
	100 x 100		GW 44 024	GW 44 004	GW 44 234	GW 44 204	GW 44 214	GW 44 114	
	120 x 80			GW 44 005		GW 44 205	GW 44 215		
	150 x 110		GW 44 026	GW 44 006	GW 44 236	GW 44 206	GW 44 216		
	190 x 140			GW 44 007		GW 44 207	GW 44 217	GW 44 117	GW 44 137
	240 x 190			GW 44 008		GW 44 208	GW 44 218	GW 44 118	GW 44 138
	300 x 220			GW 44 009		GW 44 209	GW 44 219	GW 44 119	GW 44 139
	380 x 300			GW 44 010		GW 44 210	GW 44 220	GW 44 120	GW 44 140
	460 x 380			GW 44 011		GW 44 211	GW 44 221		

In bold: versions with halogen-free material

In green: insulating voltage $U_i=1000V$ in accordance with EN 60670-1 and EN 60670-22. For photovoltaic applications, use the wall fixing brackets - code GW 44 621.

In red: insulating voltage $U_i=750V$ in accordance with EN 60670-1 and EN 60670-22. For photovoltaic applications, use the wall fixing brackets - code GW 44 621.

(*) versions with red back box and grey lid

(**) versions with CSA certificate (in accordance to UL50 Standard)

44 CE RANGE - SURFACE-MOUNTING JUNCTION BOXES

Technopolymer GW PLAST 75					Technopolymer GW PLAST 120			
Thermo-pressure with ball: 85°C					Thermo-pressure with ball: 110°C			
Glow Wire Test: 960°C - UL94: V0					Glow Wire Test: 650°C - UL94: HB			
For special uses (e.g. raised floors, suspended ceilings, etc.)					For industrial uses			
IP44	IP55		IP56		IP56			
with quick-entry cable glands	with quick-entry cable glands		smooth		smooth			
standard	standard		standard		standard			
blank plain	1/4 turn screws blank plain	blank plain	blank plain	blank deep	blank plain	blank deep	transparent plain	transparent deep
GW 44 051 GW 44 051 R (*)								
GW 44 052								
GW 44 053 GW 44 053 R (*)								
	GW 44 054 GW 44 054 R (*)		GW 44 274	GW 44 254	GW 44 404	GW 44 414		
		GW 44 055	GW 44 275	GW 44 255	GW 44 405	GW 44 415		
	GW 44 056 GW 44 056 R (*)		GW 44 276 GW 44 276 C (**)	GW 44 256	GW 44 406	GW 44 416	GW 44 426	GW 44 436
		GW 44 057	GW 44 277 GW 44 277 C (**)	GW 44 257	GW 44 407	GW 44 417	GW 44 427	GW 44 437
		GW 44 058	GW 44 278	GW 44 258	GW 44 408	GW 44 418	GW 44 428	GW 44 438
		GW 44 059	GW 44 279	GW 44 259	GW 44 409	GW 44 419	GW 44 429	GW 44 439
		GW 44 060	GW 44 280	GW 44 260	GW 44 410	GW 44 420	GW 44 430	GW 44 440
		GW 44 061	GW 44 281	GW 44 261	GW 44 411	GW 44 421	GW 44 431	GW 44 441