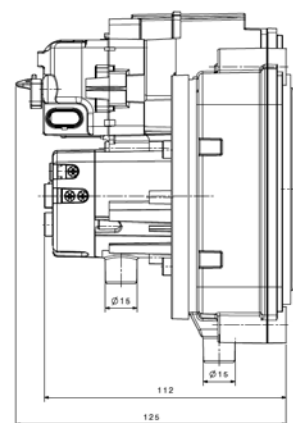
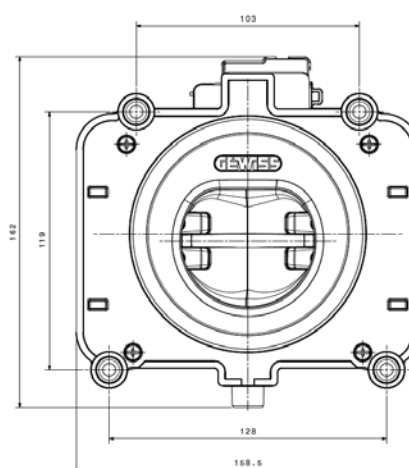


Socket with rear wiring – technical datasheet

CODE	GWJ 5001 B	GWJ 5002 B	GWJ 5003 B	GWJ 5004 B
Product type	Socket with rear wiring			
Socket type	Type 2, with vandal-proof locking system		Type 2, without vandal-proof locking system	
Standard and Regulations	IEC 62196-1, IEC 62196-2, IEC 61851-1, EV-Ready			
ELECTRICAL CHARACTERISTICS				
Power supply	Single Phase	Three Phases	Single Phase	Three Phases
Poles number (type)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)
Nominal current	32A			
Nominal voltage	200V-250V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)	200V-250V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)
Nominal frequency	50-60Hz			
Insulation voltage	500V			
Protections (grade)	Shutter (IPXXD)			
MECHANICAL CHARACTERISTICS				
Colour	Black			
IP protection	IP55 (both plug inserted or not)			
Water draining system	Double draining system			
Impact protection	IK10			
Glow Wire Test	850°C (active parts) / 960°C (external parts)			
Thermo-pressure with ball test	125°C (active parts) / 80°C (passive parts)			
Working temperature	-30°C / +50°C			
Storage temperature	-40°C / +70°C			
Cabling input	Rear wiring input			
Maximum wire diameter teminals side	max. 6 mm² (power poles, with screws) - max. 2,5 mm² (control poles, with screws)			
Self-extinguishing external parts	V0 according to UL94			
MTTF	10'000 insertions, without load			
Lighting System				
Lighting system	NONE			
Lighting type	n/a			
OPTIONAL ACCESSORIES				
List of optional parts	GWJ 5901 Female connector for locking actuator			

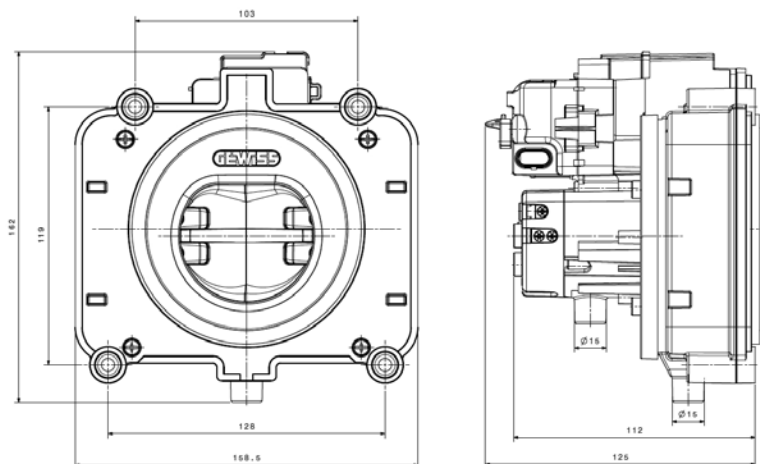
Design and dimensional tables



Socket with rear wiring and lighting system - technical datasheet

CODE	GWJ 5001 G	GWJ 5002 G	GWJ 5002 L	GWJ 5004 L
Product type	Socket with rear wiring			
Socket type	Type 2, with vandal-proof locking system	Type 2, with vandal-proof locking system	Type 2, with vandal-proof locking system	Type 2, without vandal-proof locking system
Standard and Regulations	IEC 62196-1, IEC 62196-2, IEC 61851-1, EV Ready			
ELECTRICAL CHARACTERISTICS				
Power supply	Single Phase	Three Phases	Three Phases	Three Phases
Poles number (type)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)
Nominal current	32A			
Nominal voltage	200V-250V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)
Nominal frequency	50-60Hz			
Insulation voltage	500V			
Protections (grade)	Shutter (IPXXD)			
Supply for LED	12 V			
MECHANICAL CHARACTERISTICS				
Colour	Black			
IP protection	IP55 (both plug inserted or not)			
Water draining system	Double draining system			
Impact protection	IK10			
Glow Wire Test	850°C (active parts) / 960°C (external parts)			
Thermo-pressure with ball test	125°C (active parts) / 80°C (passive parts)			
Working temperature	-30°C / +50°C			
Storage temperature	-40°C / +70°C			
Cabling input	Rear wiring input			
Maximum wire diameter teminals side	max. 6 mm² (power poles, with screws) - max. 2,5 mm² (control poles, with screws)			
Self-extinguishing external parts	V0 according to UL94			
MTTF	10'000 insertions, without load			
Lighting System				
Lighting system	YES			
Lighting type	Intermittent		RGB	
OPTIONAL ACCESSORIES				
List of optional parts	GWJ 5901 Female connector for locking actuator			

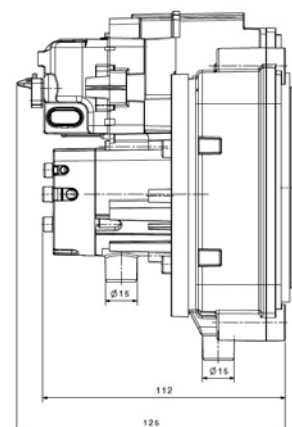
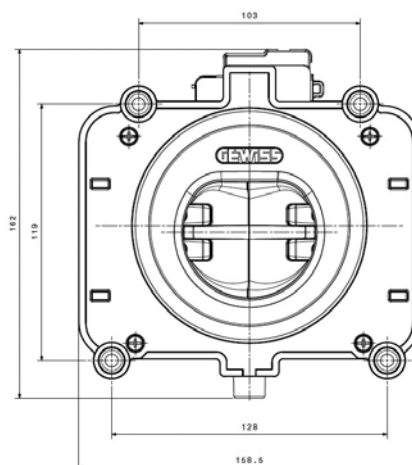
Design and dimensional tables



Socket with radial wiring – technical datasheet

CODE	GWJ 5011 B	GWJ 5012 B	GWJ 5013 B	GWJ 5014 B
Product type	Socket with radial wiring			
Socket type	Type 2, with vandal-proof locking system		Type 2, without vandal-proof locking system	
Standard and Regulations	IEC 62196-1, IEC 62196-2, IEC 61851-1			
ELECTRICAL CHARACTERISTICS				
Power supply	Single Phase	Three Phases	Single Phase	Three Phases
Poles number (type)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)
Nominal current	32A			
Nominal voltage	200V-250V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)	200V-250V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)
Nominal frequency	50-60Hz			
Insulation voltage	500V			
Protections (grade)	Shutter (IPXXD)			
Protections (grade)				
Colour	Black			
IP protection	IP55 (both plug inserted or not)			
Water draining system	Double draining system			
Impact protection	IK10			
Glow Wire Test	850°C (active parts) / 960°C (external parts)			
Thermo-pressure with ball test	125°C (active parts) / 80°C (passive parts)			
Working temperature	-30°C / +50°C			
Storage temperature	-40°C / +70°C			
Cabling input	Radial wiring input			
Maximum wire diameter teminals side	max. 6 mm² (power poles, with screws) - max. 2,5 mm² (control poles, with screws)			
Self-extinguishing external parts	V0 according to UL94			
MTTF	10'000 insertions, without load			
Lighting System				
Lighting system	NONE			
Lighting type	n/a			
OPTIONAL ACCESSORIES				
List of optional parts	GWJ 5901 Female connector for locking actuator			

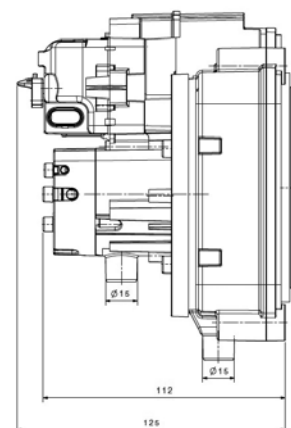
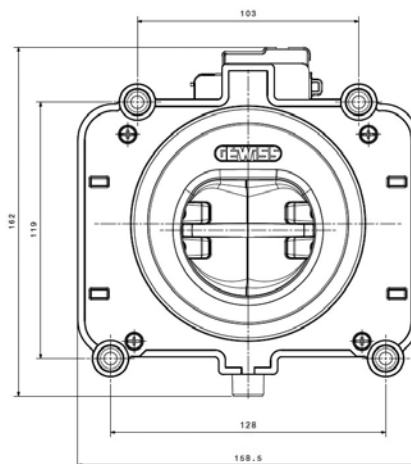
Design and dimensional tables



Socket with radial wiring and lighting system - technical datasheet

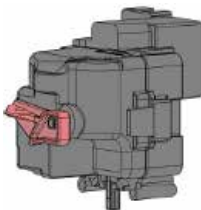
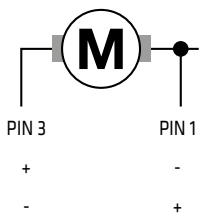
CODE	GWJ 5011 G	GWJ 5012 G	GWJ 5012 L	GWJ 5014 L
Product type	Socket with radial wiring			
Socket type	Type 2, with vandal-proof locking system	Type 2, with vandal-proof locking system	Type 2, with vandal-proof locking system	Type 2, without vandal-proof locking system
Standard and Regulations	IEC 62196-1, IEC 62196-2, IEC 61851-1			
ELECTRICAL CHARACTERISTICS				
Power supply	Single Phase	Three Phases	Three Phases	Three Phases
Poles number (type)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)
Nominal current	32A			
Nominal voltage	200V-250V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)	380V-400V (L, N, PE) 30V (PP, CP)
Nominal frequency	50-60Hz			
Insulation voltage	500V			
Protections (grade)	Shutter (IPXXD)			
Supply for LED	12 V			
MECHANICAL CHARACTERISTICS				
Colour	Black			
IP protection	IP55 (both plug inserted or not)			
Water draining system	Double draining system			
Impact protection	IK10			
Glow Wire Test	850°C (active parts) / 960°C (external parts)			
Thermo-pressure with ball test	125°C (active parts) / 80°C (passive parts)			
Working temperature	-30°C / +50°C			
Storage temperature	-40°C / +70°C			
Cabling input	Radial wiring input			
Maximum wire diameter teminals side	max. 6 mm² (power poles, with screws) - max. 2.5 mm² (control poles, with screws)			
Self-extinguishing external parts	V0 according to UL94			
MTTF	10'000 insertions, without load			
Lighting System				
Lighting system	YES			
Lighting type	Intermittent		RGB	
OPTIONAL ACCESSORIES				
List of optional parts	GWJ 5901 Female connector for locking actuator			

Design and dimensional tables



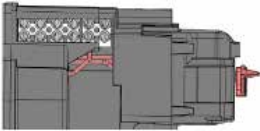
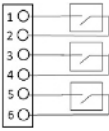
Operating parameters: locking actuators

The single actuator that performs both the blocking of the gate valves and locks the plug in the socket is of the bistable type. Below are the operating parameters and the functional diagram.

	Nominal Voltage	12 V		
	Voltage range	9-15,5 V		
	Current Absorption Peak	3,2 A		
	Current without load	≤ 250 mA		
	Operating angle	<=78°		
	Intervention time	40 ms < t < 200 ms		
		Unlocked	+	-
		Locked	-	+

Micro contacts connections

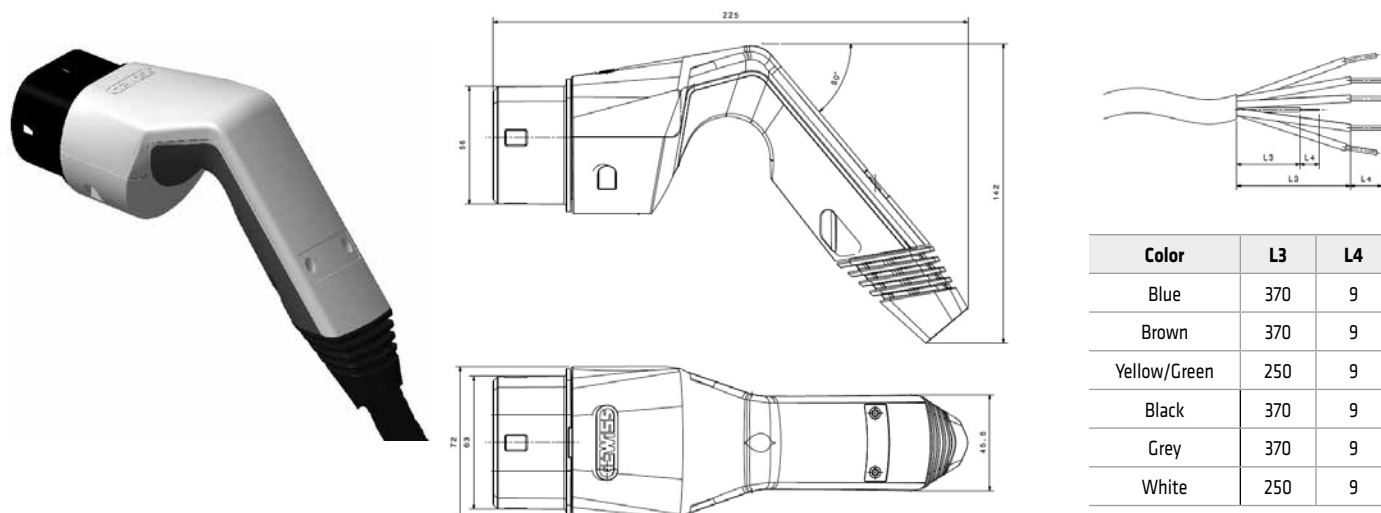
Onboard electronics can check the actual state of the socket using the signals it receives from three equipped NO micro-contacts. Connection diagram of the micro-contacts and operating parameters are reported below.

	Terminal Block Clamping Capacity: 0,75 – 2,5 mm ²		MICRO A: Deactivated Lock MICRO B: Activated Lock MICRO C: Open gate-valves	Technical Specification Micro-Contacts: Maximum nominal Voltage: 125 Vac Maximum nominal Current: 5A
---	--	---	--	---

Connector with cable – technical datasheet

CODE	GWJ 5111 B	GWJ 5112 B	GWJ 5113 B	GWJ 5114 B
Product type	Type 2 connector with cable			
Standard and Regulations	IEC 62196-1, IEC 62196-2, IEC 61851-1			
ELECTRICAL CHARACTERISTICS				
Power supply	Single Phase		Three Phases	
Poles number (type)	5 (L, N, PE, CP, PP)		7 (L1, L2, L3, N, PE, CP, PP)	
Nominal current	20A	32A	16A	32A
Nominal voltage	230V AC		400V AC	
Nominal frequency	50-60Hz			
Insulation voltage	500V			
MECHANICAL CHARACTERISTICS				
Connector				
Handle colour	Light Grey RAL 7035			
Overmoulding colour	Dark Grey RAL 7016			
Socket and cable gland colour	Black			
IP protection	IP55 (with relative holder GWJ5912)			
Impact protection	IK10			
Glow Wire Test	850°C (active parts) / 650°C (external parts)			
Working Temperature	-30°C / +50°C			
Storage Temperature	-40°C / +70°C			
Maximum wire diameter teminals side	max. 6 mm² (power poles, with screws) - max. 2,5 mm² (control poles, with screws)			
Cable				
Type	Flat			
Length	5 mt. (custom sizes possible)			
Size	3x2,5 mm² + 1x0,5 mm²	3x6 mm² + 1x0,5 mm²	5x2,5 mm² + 1x0,5 mm²	5x6 mm² + 1x0,5 mm²
Terminals type	Without sheath, single wire with ferrule			
OPTIONAL ACCESSORIES				
List of optional parts	GWJ 5912 Recessed holder for type 2 connector			

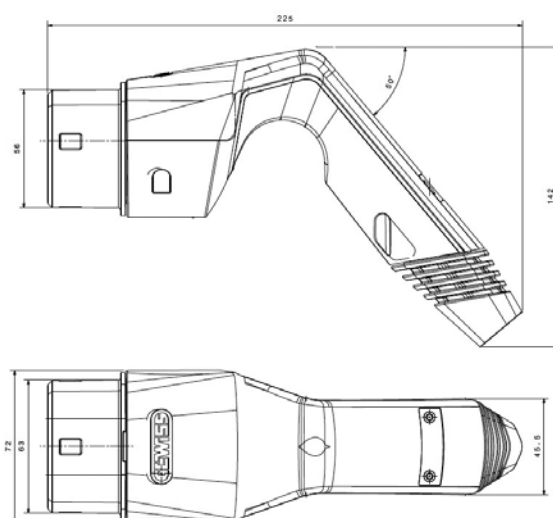
Design and dimensional tables



Connector without cable – technical characteristics

CODE	GWJ 5101 B	GWJ 5102 B
Product type	Type 2 connector, without cable	
Standard and Regulations	IEC 62196-1, IEC 62196-2, IEC 61851-1	
ELECTRICAL CHARACTERISTICS		
Power supply	Single Phase	Three Phases
Poles number (type)	5 (L, N, PE, CP, PP)	7 (L1, L2, L3, N, PE, CP, PP)
Nominal current	32A	32A
Nominal voltage	230V AC	400V AC
Nominal frequency	50-60Hz	
Insulation voltage	500V	
MECHANICAL CHARACTERISTICS		
Connector		
Handle colour	Light Grey RAL 7035	
Overmoulding colour	Dark Grey RAL 7016	
Socket and cable gland colour	Black	
IP protection	IP55 (with relative holder GWJ5912)	
Impact protection	IK10	
Glow Wire Test	850°C (active parts) / 650°C (external parts)	
Working Temperature	-30°C / +50°C	
Storage Temperature	-40°C / +70°C	
Maximum wire diameter teminals side	max. 6 mm² (power poles, with screws) - max. 2,5 mm² (control poles, with screws)	
Cable		
Type	NONE	
Length	n/a	
Size	n/a	
OPTIONAL ACCESSORIES		
List of optional parts	GWJ 5912 Recessed holder for type 2 connector	

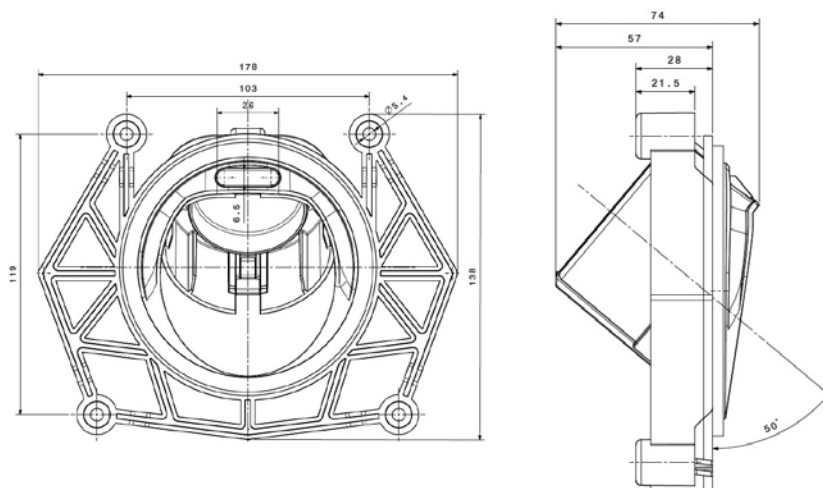
Design and dimensional tables



Optional accessories for sockets and connectors – technical characteristics

CODE	GWJ 5901	GWJ 5912
Product type	Female connector for locking actuator	Recessed holder for Type 2 connector
Standard and Regulations	n/a	IEC 62196-1, IEC 62196-2
ELECTRICAL CHARACTERISTICS		
Power supply type	DC	n/a
Number of poles	3	n/a
Nominal current	13A max.	n/a
Nominal voltage	12V	n/a
MECHANICAL CHARACTERISTICS		
Colour	Black	Black
Material	Nylon	Thermoplastic
IP protection	n/a	IP55 together with connector
Impact protection	n/a	IK10
Working temperature	-40°C / +125°C	-30°C / +50°C
Storage temperature	-40°C / +125°C	-40°C / +70°C
Wiring method	Crimp terminals	n/a
OTHER CHARACTERISTICS		
	• Crimp Terminals included (3) • Vandal-proof socket accessory • Provided with locking system • Compatible with AWG 20 wires	• Same fixing support as vandal-proof connector • 50° tilted down holder • With connector restraint system

Dimensional GWJ 5912

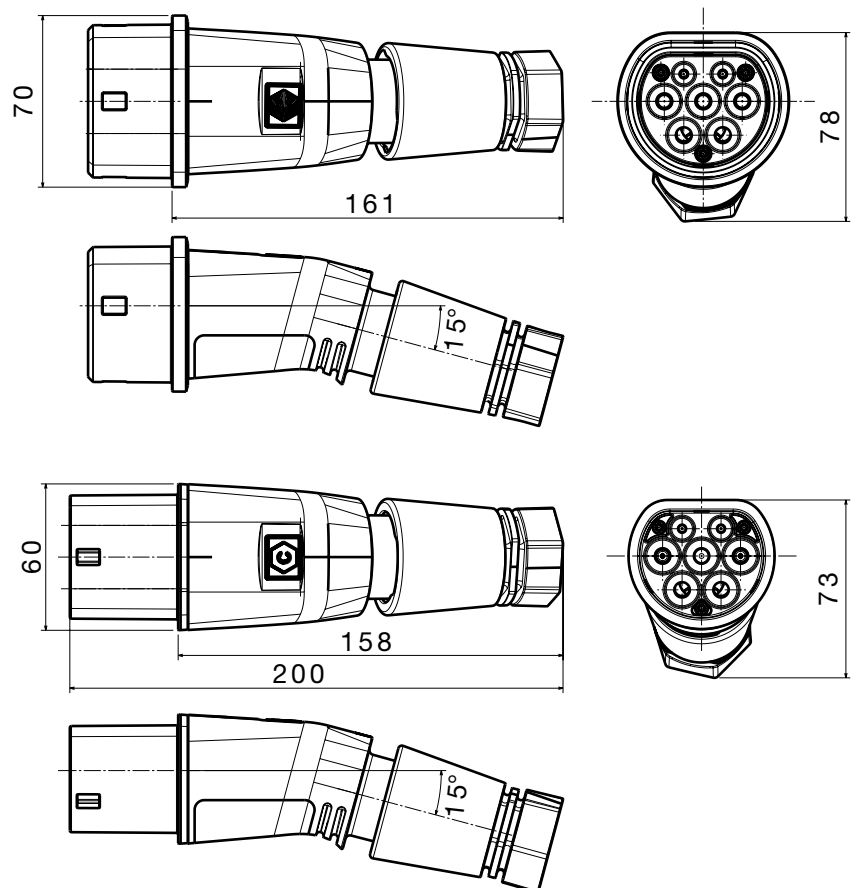


CORDSET

TECHNICAL DATASHEET

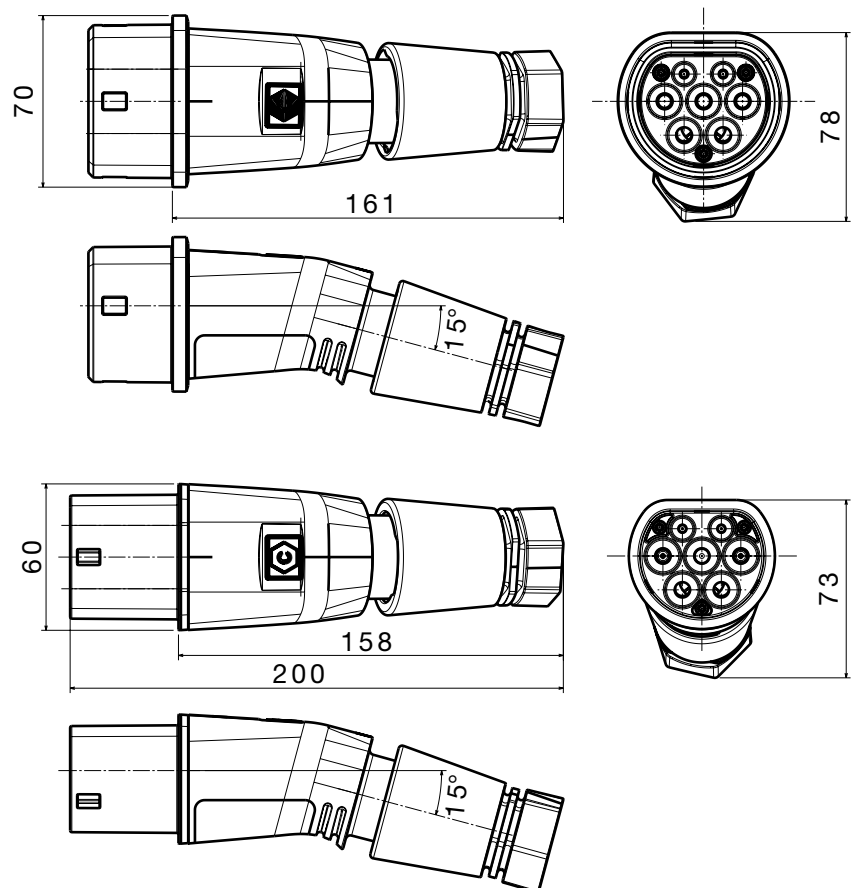
Monophase

CODE	GWJ5815BL	GWJ5818BL	GWJ5815CL	GWJ5818CL
Product type	Charging cable Type 2 electric vehicles			
Standard and Regulations	2014/35/EU (LVD), 2014/30/EU (EMC), RoHS 2011/65/EU + 2015/863, RED 2014/53/EU, ERP 2009/125/EU, CPR 305/2011, MID 2014/32/EU, ATEX 2014/34/EU,"EN 62196-1: 2014, EN 62196-2: 2017			
ELECTRICAL CHARACTERISTICS				
Power supply type	Monophase			
Number of poles	L1 - N - PE - CC - CP			
Nominal current	20 A		32 A	
Maximum power	4,6 kW		7,4 kW	
Nominal voltage	230/250 V			
Nominal frequency	50-60 Hz			
MECHANICAL CHARACTERISTICS				
Connector				
Handle color	Black RAL 9004			
Plug and cable gland color	Black RAL 9004			
IP Degree	IP 55 with sheath or cap			
Mechanical resistance	IK10			
Glow Wire Test (according to EN 62196-2):	650 °C/850 °C			
Stocking temperature	-30°C / +50°C			
Cable				
Cable type	LISCIO			
Cable length	5m	8m	5m	8m
Cable diameter	2,5 mm²		6 mm²	



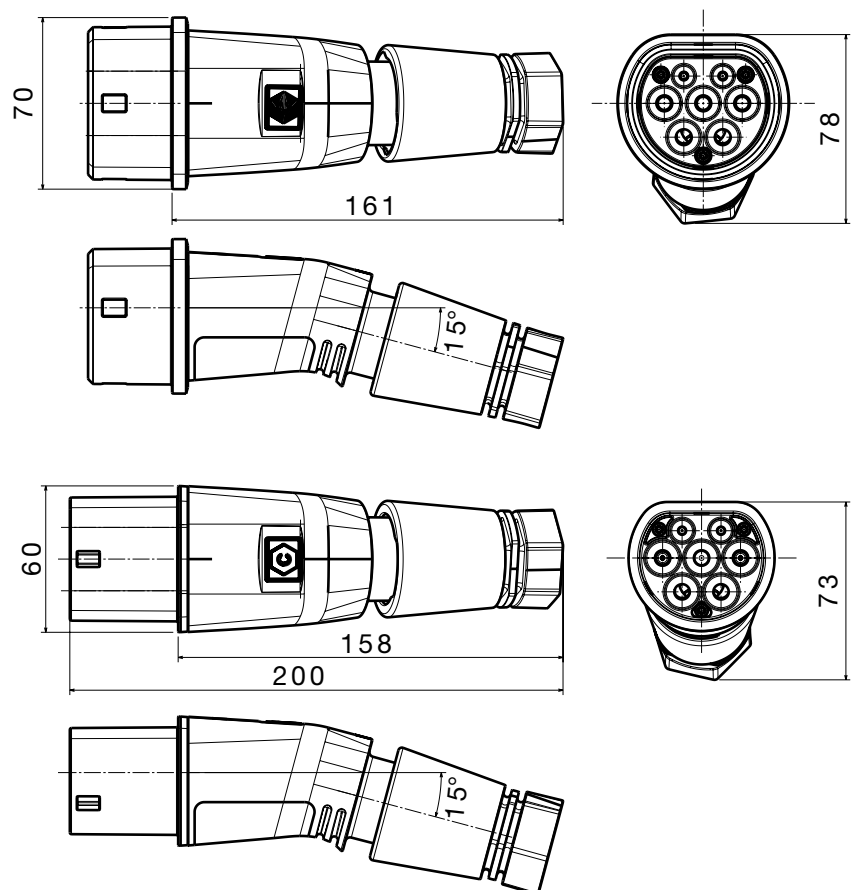
Triphase

CODE	GWJ5835AL	GWJ5838AL	GWJ5835CL	GWJ5838CL
Product type	Charging cable Type 2 electric vehicles			
Standard and Regulations	2014/35/EU (LVD), 2014/30/EU (EMC), RoHS 2011/65/EU + 2015/863, RED 2014/53/EU, ERP 2009/125/EU, CPR 305/2011, MID 2014/32/EU, ATEX 2014/34/EU,"EN 62196-1: 2014, EN 62196-2: 2017			
ELECTRICAL CHARACTERISTICS				
Power supply type	Triphase			
Number of poles	L1/L2/L3 - N - PE - CC - CP			
Nominal current	16 A		32 A	
Maximum power	11 kW		22 kW	
Nominal voltage	380/480 V			
Nominal frequency	50-60 Hz			
MECHANICAL CHARACTERISTICS				
Connector				
Handle color	Black RAL 9004			
Plug and cable gland color	Black RAL 9004			
IP Degree	IP 55 with sheath or cap			
Mechanical resistance	IK10			
Glow Wire Test (according to EN 62196-2):	650 °C/850 °C			
Stocking temperature	-30°C / +50°C			
Cable				
Cable type	FLAT			
Cable length	5m	8m	5m	8m
Cable diameter	2,5 mm²		6 mm²	



Three-phase spiral

CODE	GWJ5835AL	GWJ5838AL
Product type	Charging cable Type 2 electric vehicles	
Standard and Regulations	2014/35/EU (LVD), 2014/30/EU (EMC), RoHS 2011/65/EU + 2015/863, RED 2014/53/EU, ERP 2009/125/EU, CPR 305/2011, MID 2014/32/EU, ATEX 2014/34/EU,"EN 62196-1: 2014, EN 62196-2: 2017	
ELECTRICAL CHARACTERISTICS		
Power supply type	Monophase	Triphase
Number of poles	L1/L2/L3 - N - PE - CC - CP	L1/L2/L3 - N - PE - CC - CP
Nominal current	32 A	32 A
Maximum power	7,4 kW	22 kW
Nominal voltage	230/250 V	380/480 V
Nominal frequency	50-60 Hz	50-60 Hz
MECHANICAL CHARACTERISTICS		
Connector		
Handle color	Black RAL 9004	
Plug and cable gland color	Black RAL 9004	
Degree of protection	IP 55 with sheath or cap	IP 55 with sheath or cap
Impact resistance	IK10	IK10
Glow Wire Test (according to EN 62196-2):	650 °C/850 °C	650 °C/850 °C
Stocking temperature	-30°C / +50°C	-30°C / +50°C
Cavo		
Cable type	SPIRAL	SPIRAL
Cable length	4m	4m
Cable diameter	6 mm²	6 mm²



For technical information contact the Technical Assistance Service or visit gewiss.com