





LOW VOLTAGE

Gel technology

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**EASY-PROTECT****Gel box**

with WAGO COMPACT Splicing Connectors

Gel filled housings for easy, fast and safe moisture protection of WAGO COMPACT Splicing Connectors

Characteristics

- Protects the splicing connector against moisture and water ingress according to IPX8
- VDE type-tested system according to EN 60998-2 for approval in conjunction with WAGO COMPACT Splicing Connectors 221
- Rigid, label-free and silicone-free gel
- UV-resistant housing, robust and re-accessible housing
- Fast application, easy mounting and direct commissioning
- Ready to use and immediately operational

Application/Suitability

- Indoor and Outdoor
- Can be used in the low-voltage range without an additional housing
- Can be used in the low-voltage range with additional housing (double insulation / observe protection class II)

Note

- Not reusable

Voltage level

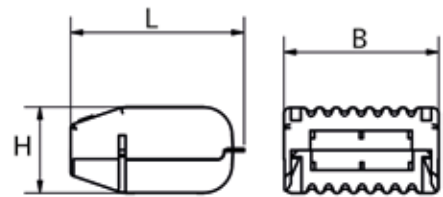
- $U_o/U (U_m)$ 0,6/1 (1,2) kV

Test standards

- VDE type-tested system according to EN 60998-2

Storage conditions/Shelf life

- Unlimited shelf life at ambient temperature between 0 °C und 40 °C

**Dimensions****WAGO** | inside**Scope of delivery**

pre-filled gel box, WAGO COMPACT Splicing Connector type 221

Assignment with WAGO COMPACT Splicing Connectors, type 221

Designation	L mm	B mm	H mm	Assignment with WAGO COMPACT Splicing Connectors, type 221					
				221-412	221-413	221-415	221-612	221-613	221-615
Size 1	33,6	32,0	17,8	1	1	-	-	-	-
Size 2	33,6	45,9	17,8	2	-	1	-	-	-
Size 3	33,6	52,7	17,8	3	2	-	-	-	-
Size 4	40,1	38,0	21,3	-	-	-	1	1	-
Size 5	40,1	49,4	21,3	-	-	-	2	-	1
Size 6	40,1	66,4	21,3	-	-	-	3	2	-

Typ	Housing size	Type WAGO COMPACT Splicing Connector	Nominal cross section mm ²	Number of Gel boxes	Art.-No.
EASY-PROTECT	112	1 x 221-412	0,14 f / 0,2 - 4 mm ²	1	407858
	113	1 x 221-413		1	407859
	222	2 x 221-412		1	407860
	215	1 x 221-415		1	407861
	332	3 x 221-412		1	407862
	323	2 x 221-413		1	407863
	412	1 x 221-612	0,5 - 6 mm ²	1	410356
	413	1 x 221-613		1	410357
	522	2 x 221-612		1	410358
	515	1 x 221-615		1	410359
	632	3 x 221-612		1	410360
	623	2 x 221-613		1	410361
	EASY-PROTECT Bulk	113		12 x 221-413	0,14 f / 0,2 - 4 mm ²
332		48 x 221-412	16	451512	
323		24 x 221-413	12	451513	

→ Continued on the next page

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→ Continuation

Technical data	Value	Test standard
Physical properties		
IP protection class	IPX8	EN 60529
Storage period	Indefinite storage capacity	-
Housing colour	Black	-
Housing material	Polypropylene	-
Closure type	Latching	-
Wiring direction	One-sided	-
Gel colour	Translucent amber	-
Gel material	Polyurethan	-
Thermodynamic properties		
Continuous service temperature	105 °C	EN 60998-2
Ambient temperature (operation)	85°C according to T85 marking	EN 60998-2
Working temperature / Storage temperature	0 - 40 °C	
Flammability class housing	V2*	UL 94
Electrical properties**		
Voltage range	450 V	EN 60998-2
Rated surge voltage	4 kV	EN 60998-2
Rated current	32 A respectively 41 A (WAGO COMPACT Splicing Connectors)	EN 60998-2
Resistance to electrical breakdown gel	≥ 15 kV / mm	EN 60243-1

* Approximately comparable to the glow wire test according to EN 60695

** Double insulation / observe protection class II for low voltage



EASYCELL® EASY...V Gel straight-through joint

with connection block

Universally suitable for connecting all polymeric cables and conductors (e.g. N(A)YY, NYM, H05), cross section range from 1.5 mm² to 25 mm². Suitable for aluminium and copper conductors.

Characteristics

- Connector area completely sealed by gel
- Re-accessible and ready for immediate operation
- Multi range one-piece connection block
- High-quality shockproof plastic shells, flame retardant and UV-resistant
- Quick and easy assembly

Application/Suitability

- Indoor
- Outdoor
- Underground
- Water (according to test standard)

Voltage level

- U₀/U (U_m) 0.6/1 (1.2) kV

Test standards

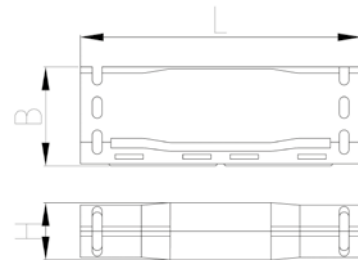
- DIN EN 50393
- DIN EN 60695-2-11

Storage conditions/Shelf life

- Unlimited shelf life






Dimensions



Scope of delivery

EASY 2 V: Gel straight-through joint, lustre terminal, cable ties, assembly instruction
 EASY 3 V - 5 V: Gel straight-through joint, connection block, allen key, cable ties, assembly instruction

Optional accessory: EASYCELL® Strain relief, available for connecting joints from 6 mm² to 25 mm² (EASY 4 V and EASY 5 V)

		Polymeric cable unarmoured							
		 3x			 4x			 5x	
Type	L mm	B mm	H mm	Nominal cross section per conductor mm ²			Art.-No.	Art.-No. for german market	
EASY	2 V	86	47	27	1.5 - 2.5			320436	389676
	3 V	146	55	35	1.5 - 6	1.5 - 6	1.5 - 6	309445	389677
	4 V	180	69	40	6 - 16	6 - 16	6 - 16	309446	389678
	5 V	240	75	44	16 - 25	16 - 25	16 - 25	309447	389679



EASYCELL® EASY... Gel straight-through joint

without connection block

Universally suitable for connecting all polymeric cables and conductors (e.g. N(A)YY, NYM, H05), cross section range from 1.5 mm² to 25 mm². Suitable for aluminium and copper conductors.

Characteristics

- Connector area completely sealed by gel
- Re-accessible and ready for immediate operation
- Multiple type of connectors can be used, e. g. terminal strips, push wire connectors, mechanical blocks and c-crimp connectors
- High-quality shockproof plastic shells, flame retardant and UV-resistant
- Quick and easy assembly

Application/Suitability

- Indoor
- Outdoor
- Underground

Voltage level

- U₀/U (U_m) 0.6/1 (1.2) kV

Test standards

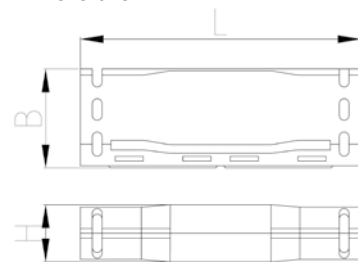
- DIN EN 50393
- DIN EN 60695-2-11

Storage conditions/Shelf life

- Unlimited shelf life



Dimensions



Scope of delivery

EASY 2: Gel straight-through joint, cable ties, assembly instructions
EASY 3 - 5: Gel straight-through joint, spacer, cable ties, assembly instruction

Note: For connections of up to 5-core polymeric cables we recommend to use standard EASYCELL® gel straight through joints (EASY ... V) with connection block.

Type	L mm	B mm	H mm	Cable-Ø mm	Polymeric cable unarmoured		Art.-No.
					Nominal cross section per conductor mm ²		
EASY	2	86	47	11 - 13	3x	1.5 - 2.5	360366
	3	146	55	11 - 19	4x	1.5 - 6	360368
	4	180	69	15 - 23		6 - 16	360369
	5	240	75	19 - 28		16 - 25	360400



EASYCELL® **Strain relief**

for gel straight-through joints EASY 4 V and EASY 5 V

For the application with high mechanical loads and forces.

Characteristics

- Quick and easy assembly

Application/Suitability

- Mechanical protection

Scope of delivery

Strain relief



Type	Art.-No.
Strain relief	310553



EASYCELL® EASY...V Gel branch joint

with branch-off block

Universally applicable for branching all polymeric cables and conductors (e.g. N(A)YY, NYM, H05) cross section range from 6 mm² to 25 mm². Suitable for aluminium and copper conductors.

Characteristics

- Connector area completely sealed by gel
- Re-accessible and ready for immediate operation
- Multi range one-piece branch-off block
- High-quality shockproof plastic shells, flame retardant and UV-resistant
- Quick and easy assembly

Application/Suitability

- Indoor
- Outdoor
- Underground
- Water (according to test standard)

Voltage level

- U_0/U_m (U_m) 0.6/1 (1.2) kV

Test standards

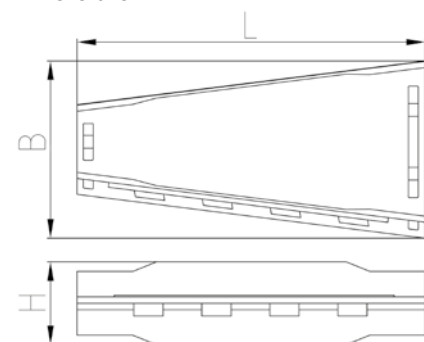
- DIN EN 50393
- DIN EN 60695-2-11

Storage conditions/Shelf life

- Unlimited shelf life



Dimensions



Scope of delivery

Gel branch joint, branch-off block, allen key, cable ties, assembly instruction

Note: Separable, main cable must not be cut.

Type	L mm	B mm	H mm	Polymeric cable unarmoured						Art.-No.	
				3x		4x		5x			
				Nominal cross section per conductor mm ²							
Main cable	Branch cable	Main cable	Branch cable	Main cable	Branch cable	Main cable	Branch cable				
EASY	6 V	220	110	53	6	2,5 - 6	6	2,5 - 6	6	2,5 - 6	371166
	7 V	260	130	65	16 - 25	2,5 - 25	16 - 25	2,5 - 25	16 - 25	2,5 - 25	371167