Plexo™ boxes IP 55 - IK 07



921 01



921 26



921 36

Dimensions (p. 752)

Pack	Cat.Nos	Weatherproof boxes
		Grey RAL 7035 Material: polystyrene box and polypropylene cover - halogen free Temperature rating: – 25 °C to + 40 °C Self-extinguishing 650 °C Conform to EN 60695 2-1 Opaque cover Membrane gland or pre-cut knock-out for ISO type cable gland
		Round boxes With fixing slots for easy alignment Use 5 mm Ø screws Alternatively use wall fixing Cat.No 319 57
	650 °C	Clip-on cover
5/**100**	921 00	Ø60 mm x 40 mm - 4 glands (Cat.No 919 10)
5/**100**	921 01	Ø70 mm x 45 mm - 4 glands (Cat.No 919 10)
		Square boxes With fixing slots for easy alignment Use 5 mm Ø screws Alternatively use wall fixing Cat.No 319 57
	650 °C	Clip-on cover
5/**100**	921 04	Internal dimension: H: 65 x W: 65 x D: 40 mm 7 glands (Cat.No 919 10)
5/**100**	921 26	Internal dimension: H: 80 x W: 80 x D: 45 mm 7 glands (Cat.No 919 10)
5/**50**	921 27	Internal dimension: H: 80 x W: 80 x D: 45 mm With pre-cut knock-outs

		Weatherproof square boxes class II
		Mounting by: • either internal fixing points - use 5 mm Ø screws • or at three corners outside the wiring area - use 4 mm Ø screws Provision for anti-tamper seal Cover with 4 x 1/4 turn fixings, indicated I-O, can be retained open during installation
	650 °C	
5/**50**	921 36	Internal dimension: H: 105 x W: 105 x D: 55 mm 7 glands (Cat.No 919 11)
5/**30**	921 37	Internal dimension: H: 105 x W: 105 x D: 55 mm With pre-cut knock-outs

		Accessories
20	312 10	Strip with four 4 mm² terminal for junctions For fitting in Plexo boxes Cat.Nos 921 00/01, 921 04/26/27

Spare membrane glands (p. 751)

Plexo™ boxes IP 55 - IK 07
with direct entry membrane glands



920 32



920 52

Dimensions (p. 753)

Resistance to glow wire test: 750 °C (EN 60695 2-1)
Operating temperature: – 25 °C to + 40 °C
Interchangeable end caps
Captive cover with clippable tie between box and cover except boxes 310 x 240 and 360 x 270
Cover opens/closes with a 1/4 turn of a regular screwdriver, marking 0 and I
Fixing with level adjustment
• At 2 or 4 internal points (screw Ø5 mm max.)
• At the four corners out of wiring volume (screw Ø4 mm max.)
• With brackets Cat.No 358 02
Class II is ensured by protection caps (supplied) for the attachment screws

Pack	Cat.Nos	Weatherproof square boxes
	Grey RAL 7035	
1	920 32	Internal dimension: H: 130 x W: 130 x D: 74 mm 10 glands Ø cables and tubes accepted 4 to 25 mm

		Weatherproof rectangular boxes
20	920 42	Internal dimension: H: 155 x W: 155 x D: 74 mm 10 glands(1) Ø cables and tubes accepted 4 to 25 mm)
1/**10**	920 52	Internal dimension: H: 180 x W: 140 x D: 86 mm 10 glands(1) Ø cables and tubes accepted 4 to 32 mm
1/**10**	920 62	Internal dimension: H: 220 x W: 170 x D: 86 mm 14 glands(1) Ø cables and tubes accepted 4 to 32 mm
1/**2**	920 82	Internal dimension: H: 310 x W: 240 x D: 124 mm 24 glands(1) Ø cables and tubes accepted 4 to 40 mm
1	920 92	Internal dimension: H: 360 x W: 270 x D: 124 mm 24 glands(1) Ø cables and tubes accepted 4 to 40 mm



Cable glands

see p. 302

(1) See table on glands and accessories

Bold pack quantities: Minimum quantities to be ordered

Plexo™ boxes IP 55 - IK 07
with pre-cut knock-out ISO type cable entries



Dimensions (p. 753)

Resistance to glow wire test: 750 °C (EN 60695 2-1)
Operating temperature: – 25 °C to + 40 °C
Knock-out entries
Captive cover with clippable tie between box and cover except boxes 310 x 240 and 360 x 270
Cover opens/closes with a 1/4 turn of a regular screwdriver, marking 0 and I
Fixing with level adjustment
• At 2 or 4 internal points (screw Ø5 mm max.)
• At the four corners out of wiring volume (screw Ø4 mm max.)
• With brackets Cat.No 358 02
Class II is ensured by protection caps (supplied) for the attachment screws

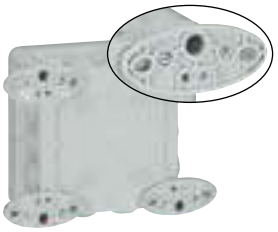
Pack	Cat.Nos	Weatherproof square boxes
	Grey RAL 7035	
1/**10**	920 34	Internal dimension: H: 130 x W: 130 x D: 74 mm 16 knock-out entries for ISO 12/16 4 knock-out entries for ISO 20/25

		Weatherproof rectangular boxes
1/**10**	920 44	Internal dimension: H: 155 x W: 110 x D: 74 mm 16 knock-out entries for ISO 12/16 4 knock-out entries for ISO 20/25
1/**5**	920 54	Internal dimension: H: 180 x W: 140 x D: 86 mm 16 knock-out entries for ISO 16/20 4 knock-out entries for ISO 20/25
1/**5**	920 64	Internal dimension: H: 220 x W: 170 x D: 86 mm 12 knock-out entries for ISO 16/20 8 knock-out entries for ISO 20/25 4 knock-out entries for ISO 25/32
1/**2**	920 84	Internal dimension: H: 310 x W: 240 x D: 124 mm 2 knock-out entries for ISO 16/20 22 knock-out entries for ISO 20/25 6 knock-out entries for ISO 25/32 6 knock-out entries for ISO 32/40
1	920 94	Internal dimension: H: 360 x W: 270 x D: 124 mm 2 knock-out entries for ISO 16/20 18 knock-out entries for ISO 20/25 10 knock-out entries for ISO 25/32 6 knock-out entries for ISO 32/40

Plexo™ boxes
accessories


919 15


919 16


358 02 mounted on box


358 00 mounted on box

Pack	Cat.Nos	Spare membrane glands
		With marking of Ø for tubs and cables Direct entry for tubes (up to 16 mm) and cables
		Up to Ø20
50	919 10	For boxes with clip-on cover
		Up to Ø25
50	919 11	For boxes 105 x 105 x 55 mm (Cat.No 921 36)
		Up to Ø20
50	919 14	Grey (RAL 7035)
		Up to Ø25
50	919 15	Grey (RAL 7035)
		Up to Ø32
50	919 16	Grey (RAL 7035)
		Up to Ø40
50	919 17	Grey (RAL 7035)



		Fixing accessories
		Set of 4 lugs
1	358 02	For wall fixing supplied with screws



		Equipment accessories
		Set of 2 hinges (RAL 7016)
1	358 00	For boxes 130 x 130 mm up to 220 x 170 mm included
1	358 01	For boxes 310 x 240 and 360 x 270 mm





Other industrial plastic boxes

see p. 272



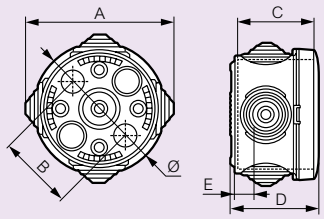
Nylbloc auto terminal support

see p.756

Bold pack quantities: Minimum quantities to be ordered

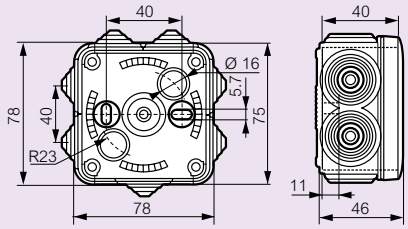
Plexo™ boxes

Cat.Nos 921 00/01

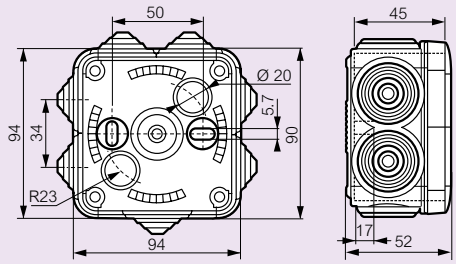


Cat.Nos	Ø	A	B	C	D	E
921 00	60	79	40	44.5	40	11
921 01	70	86	50	49.5	45	11

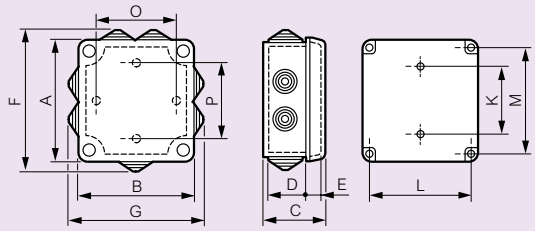
Cat.No 921 04



Cat.Nos 921 26/27



Cat.Nos 921 36/37



Cat.Nos	A	B	F	G	C	D	E	Fixing of box			S dm²	Fixing of accessories (screw Ø4 mm)	
								K	L	M		O	P
921 36	116	116	132	132	60	41.8	13.4	50	95	95	1.34	80	80
921 37	116	116	121	121	60	41.8	13.4	50	95	95	1.34	80	80

■ User of membrane glands per type of boxes

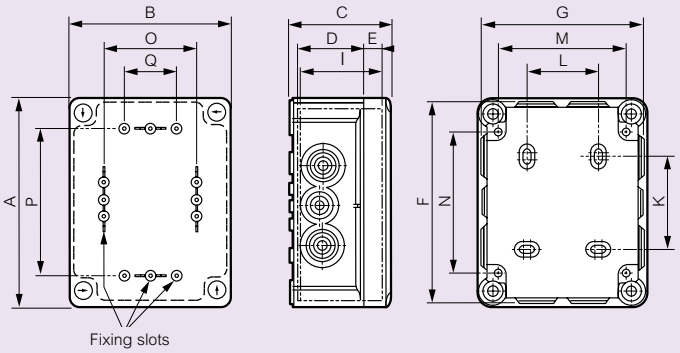
Boxes	Membrane glands			
	Ø20	Ø25	Ø32	Ø40
Round				
Ø60	4			
Ø70	4			
Square				
65 x 65 x 40	7			
80 X 80 X 45	7			
105 X 105 X 55		7		
130 X 130 X 74	2	8		
Rectangular				
155 X 110 X 74	2	8		
180 X 140 X 86		4	6	
220 X 170 X 86		8	6	
310 X 240 X 124			18	6
360 X 270 X 124			16	8

Plexo™ square and rectangular boxes
dimensions and equipment with terminal blocks

■ Dimensions

Plexo square boxes 130 x 130 mm Cat.Nos 920 32/34

Plexo rectangular boxes Cat.Nos 920 42/44/52/54/62/64/82/84/92/94

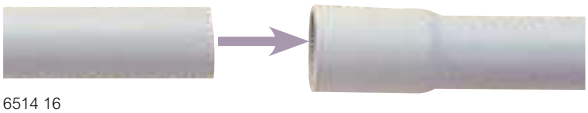


Cat.Nos	Dimmensions (mm)	A	B	F	G	C	D	E	I	Fixing of box				Fixing of accessories (screw Ø4 mm)		
										K	L	M	N	O	P	Q
920 32/34	130 x 130 x 74	150	150	149	149	81	56	18	67	54	70	120	103	106	106	84
920 42/44	155 x 110 x 74	175	130	173	128	81	56	18	67	79	50	100	128	86	131	64
920 52/54	180 x 140 x 86	200	160	205	165	94	69	18	80	104	50	130	153	116	156	94
920 62/64	220 x 170 x 86	240	190	245	195	94	69	18	80	144	80	160	193	146	196	124
920 82/84	310 x 240 x 124	332	262	340	270	132	97	27	116	220	160	222	276	200	260	150
920 92/94	360 x 270 x 124	382	292	390	300	132	97	27	116	270	190	252	326	230	310	150

■ Equipment with terminal blocks

Boxes (mm)	Bare terminal blocks on support and IP 2X blocks				
	4 holes	8 holes	13 holes	17 holes	22 holes
130 x 130 x 74	•	•			
155 x 110 x 74	•	•	•		
180 x 140 x 86	•	•	•		•
220 x 170 x 86	•	•	•	•	•
310 x 240 x 124	•	•	•	•	•
360 x 270 x 124	•	•	•	•	

rigid conduits



6514 16



319 06



319 00



313 82



313 83

Pack	Cat.Nos	Rigid conduit with integrated coupling

Flame-retardant
Surface-mounting or flush-mounting
Suitable for prefabricated concrete
Conforming to European standard:
EN 61386-21 and IEC 61386-21
Crush resistance: 750 Newtons
Shock resistance: 2 joules at - 5 °C
Min operating t°: - 5 °C
Max operating t°: + 60 °C
IK 07
Can be used outside
Supplied wrapped in film. Grey (RAL 7035)
Length of tubes: 3 m

Pack	Cat.Nos	Ø exterior (mm)	Ø interior (mm)	thickness (mm)
30	6514 16	16	13	1.50
30	6514 20	20	16.9	1.55
30	6514 25	25	21.4	1.80
15	6514 32	32	27.8	2.10

Clipsotubes

Fixing by Ø7 mm thread 150 mm pin, screw-in wall plugs Cat.No 319 57, screw Ø5 mm or nail
For interior use
Halogen free
Holding of flexible and rigid conduits

Pack	Grey RAL 7035		Ø mini	Ø maxi
100	319 03	For IRL Ø16 mm	15	16
100	319 04	For IRL Ø20 mm	18.4	20.6
100	319 06	For IRL Ø25 mm	22.3	25

Cable ties with base

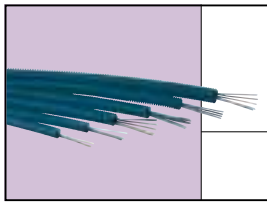
Adjustable for conduits IRL Ø16 to 32 mm or for cable Ø13 to 38 mm
Fixing by Ø7 mm thread 150 mm pin, screw in wall plugs Cat.No 319 57, screw Ø5 mm
Can be fixed using Pulsa 700 E staple gun
Halogen free

Pack	Cat.Nos	
100	319 02	For interior and exterior use - U.V. protected Black colour
100/**1000**	319 00	For interior use - Grey RAL 7035

Conduit supports with screw-in wall plug

Pack	Cat.Nos	
		Conduit supports
100	313 80	For conduit Ø 16
100	313 81	For conduit Ø 20
50	313 82	For conduit Ø 25
		Conduit supports accesory
200	313 83	For fixing in plasterboard plate

Flexible conduits (p. 731)



High impact flexible conduits also available pre-wired with H07V-U 1.5², 2.5², 4² or 6² wires or coaxial 19 VATC cable

Please consult us

accessories for conduits
flexible and rigid conduits



6516 01



6516 08



6516 11



6516 18



6516 32

Pack	Cat.Nos	Couplings

For connecting conduits of the same diameter
Grey (RAL 7035)

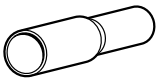
Pack	Cat.Nos	Ø (mm)
100	6516 01	16
100	6516 02	20
50	6516 03	25
25	6516 04	32



Reducers

For connecting conduits of different diameters
Grey (RAL 7035)

Pack	Cat.Nos	Ø (mm)
100	6516 08	20 x 16
50	6516 09	25 x 20



Elbows

Used to change direction even after the wires have been installed. 2-part assembly to save time and simplify installation. Grey (RAL 7035)

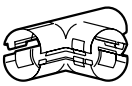
Pack	Cat.Nos	Ø (mm)
50	6516 11	16
50	6516 12	20
25	6516 13	25



Tees

Used to join conduits together and to change direction even after the wires have been installed
2-part assembly to save time and simplify installation
Grey (RAL 7035)

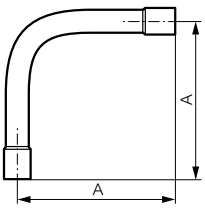
Pack	Cat.Nos	Ø (mm)
50	6516 18	16
25	6516 19	20
25	6516 20	25



Bends

90° curves
Grey (RAL 7035)

Pack	Cat.Nos	Ø (mm)	
20	6516 26	20	A = 130 mm
10	6516 27	25	A = 160 mm
25	6516 28	32	A = 200 mm



Bending springs

Used to bend rigid conduits

Pack	Cat.Nos	Ø (mm)	Length (mm)
1	6516 32	16	600
1	6516 33	20	800
1	6516 34	25	800

Nylon draw tape

Flexible cable which can be used to guide the wires into an unwired conduit. 2 metal end caps
End cap diameter: 6 mm at both ends for attaching the wires

Pack	Cat.Nos	
1	6516 36	Length: 20 m

Bold pack quantities: Minimum quantities to be ordered. Catalogue numbers in red: New products

fixing devices for conduits
cable clips

conduit supports


315 78


315 35


Cable clips come packaged so as to allow for unit distribution and storage of unused clips

Pack	Cat.Nos	Screw-in wall plugs
100	Black 319 57	For use with cable ties with base, clipsotube, conduit supports Halogen free Threaded head Ø6.6 pitch 150, drilling Ø8 mm (smooth material Ø7 mm)

Cable clips for concrete materials

Multifix

Expanding cable clips, accept several sizes of cable

Pack	Cat.Nos Grey	Cable Ø (mm)	Cable Ø (inches)	Pin Ø (mm)	Pin Length (mm)
100/**1000**	315 77	7 to 10	9/32 to 25/64	1.8	25
100	315 78	10 to 14	25/64 to 9/16	1.8	30
100	315 79	14 to 20	9/16 to 5/8	2.5	40
30	315 81	25 to 32	1 to 5/4	2.5	50

Fixfor

Pack	Cat.Nos Grey RAL 7035	Cat.Nos White	Cable Ø (mm)	Cable Ø (inches)	Pin Ø (mm)	Pin Length (mm)
100/**2000**	315 24	315 54	5	13/64	1.8	20
100/**1000**	315 25	315 55	6	15/64	1.8	25
100/**1000**	315 26	315 56	7	9/32	1.8	25
100/**1000**	315 27	315 57	8	5/16	1.8	25
100/**1000**	315 28	315 58	9	23/64	1.8	25
100	315 29		10	25/64	1.8	30
100		315 59	10	25/64	1.8	30
100	315 30		12	15/32	1.8	30
100	315 31		14	9/16	2.5	40
100	315 32		16	5/8	2.5	40
80	315 33		17	43/64	2.5	40
60	315 34		19	3/4	2.5	40
40	315 35		22	7/8	2.5	50
20	315 36		29	1"9/64	2.5	50

■ **Installation Cat.Nos 313 80/81/82** (p. 754)


Drill to diam. 8 mm


Strike conduit support


Untie unused elements


Conduit support is fixed


Clip conduit


Lock with flap

Bold pack quantities: Minimum quantities to be ordered

screwless connection terminals Nylbloc™ auto


343 22


343 23


343 25


343 28


343 29

Pack	Cat.Nos	Screwless connection terminals - Nylbloc auto
		No tool direct connection after simple stripping of copper conductors Test socket for tester screwdriver or test tip Cat.No 394 45 (p. 355) for IP 2x test or Ø4 mm tip on Nylbloc auto terminals Conform to EN 60998-2-2 For rigid cable from 0.75 to 2.5 mm² Stripping length: 11 mm Connection by separate crimping blades Transparent rase providing full visibility of the connections Colour code to identify products Duplix marking possible on 3.5 and 8-wire terminals Max. intensity: 24 A Insulating voltage: 450 V~
100	343 22	Grey terminal for 2 wires
100	343 23	Orange terminal for 3 wires
100	343 25	Blue terminal for 5 wires
50	343 28	Grey terminal for 8 wires

		Mixed screwless connection terminal
		Enables connection of rigid and flexible cable - 2 incoming for rigid cable from 1 to 2.5 mm² (power supply and shunt) - 1 outgoing for flexible cable or from 0.5 to 2.5 mm² (use) Stripping length: 8-9 mm Flexible cable connection by simple push on terminal Connection by separate crimping blades Max. intensity: 24 A Insulating voltage: 400 V~
100	343 29	Mixed grey terminal

		Accessories
		Conductor stripping tool
1/**5**	343 99	For cable desheathing and rapid wire stripping in flush-mounting and junction boxes, in trunking For cable Ø8 mm to 13 mm (from 2 G 1.5 to 5 G 2.5 mm²) and wires 1.5 mm² and 2.5 mm²
		Nylbloc auto terminal support
10	343 98	For up to 3 screwless connection terminals Nylbloc auto (Cat.Nos 343 22/23/25/28) Direct fixing: - in top of Plexo boxes and industrial plastic cabinets ≥ 130 x 130 mm - on flat bar 12 x 2 mm - in bottom of fully assembled, adaptable and aluminium DLP trunkings (from 50 x 80 mm) Screw fixing: - in bottom of Plexo boxes ≥ 105 x 105 mm and industrial plastic cabinets - universal Fixing on rail with accessory Cat.No 048 11 (p. 250) Accessible test socket Marking zone with felt tip pen Cat.No 395 98 (p. 354)

Nylbloc™ screw terminal strips and connectors without screws


342 17


342 21


343 38


343 44


6340 51


6340 52


6340 51

Pack	Cat.Nos	Nylbloc connection strips
		12 elements with captive screws Supplied with screws undone Flame retardant polypropylene (– 25°C to + 100°C) Ambient temperature from – 25°C to + 55°C (T 55) Conform to EN 60998-2-1 and EN 60664-1 Self-extinguishing to EN 60695-2-11 at 850° Insulation voltage: 250 V according to EN 60 998-2-1 Use at 400 V integrated in a series of products that comply with the requirements of EN 60664-1, pollution degree 2, overload category III
	Black	Rated capacity (mm²) / hole Ø (mm) / Max current (A)
10	342 11	2.5 / 2.5 / 24
10	342 13	6 / 3.5 / 41
10/**200**	342 15	10 / 4.5 / 57
10	342 17	16 / 5.5 / 76
10	342 19	25 / 7 / 101
	White	
10	342 21	2.5 / 2.5 / 24
10	342 23	6 / 3.5 / 41
10	342 25	10 / 4.5 / 57
10	342 27	16 / 5.5 / 76

		Connectors without screws - Capvis caps			
		Rapid connection for 1.5 - 2.5 - 4 and 6 mm² solid conductor cables - 440 V insulation			
		Nominal capacity (mm²)	No of cables and corresponding sections (mm²)	Cap colour	Packaging type
100/**1000**	343 38	1.5	3 to 5 of 0.5² 2 to 4 of 0.75² 2 of 1.5²	blue	box
100/**1000**	343 44	1.5 to 2.5	3 to 5 of 0.5² 2 to 5 of 0.75² 2 to 3 of 1.5² 2 of 2.5²	orange	box
100/**2 000**	343 51	4	2 to 4 of 1.5² 2 to 3 of 2.5² 2 of 4²	yellow	box
100	343 57	6	2 to 5 of 2.5² 2 to 3 of 4² 2 of 62	red	box
2 000	6340 51	4	2 to 4 of 1.5² 2 to 3 of 2.5² 2 of 4²	yellow	bucket
1 500	6340 52	6	2 to 5 of 2.5² 2 to 3 of 4² 2 of 6²	red	bucket

Bold pack quantities: Minimum quantities to be ordered

line taps and equipotential bonding connectors

equipotential bonding connectors



340 03



340 33



340 42



340 45



343 85

Line taps

Strip of 10 separable line taps

Pack	Cat.Nos With feet	Capacity per tap (mm²)	Width (mm)
10	340 00	2 x 6	15
10	340 01	2 x 10	19.5
10	340 02	2 x 16	21
10	340 03	2 x 25	21.5
10	340 04	2 x 35	25

Non-shear line taps

Hexagonal head

Pack	Cat.Nos Without feet	Capacity per tap (mm²)	Width of slot (max. cable Ø in mm)	Overall height (mm)	Fixing centres (mm)
20	340 33	2 x 25	7.4	49	
10	340 34	2 x 50	9.5	59	
	With feet				
20	340 42	2 x 16	5.8	41	37
20	340 43	2 x 25	7.4	49	37
10	340 44	2 x 50	9.5	59	44
10	340 45	2 x 75	11.7	71	62

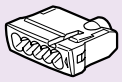
Equipotential bonding connectors

Used to make equipotential connections on the installation busbar systems
Safe, intuitive 1/4 turn mounting ensuring an excellent, lasting equipotential link

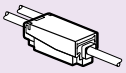
Pack	Cat.Nos	Busbar system Ø min. (mm)	Busbar system Ø max. (mm)	Max. connection cross-section (mm)
20	343 85	12	16	6
10	343 86	18	22	16
10	343 87	28	32	16

■ Screwless connections terminals

Connection terminals Nylbloc auto Cat.Nos 343 22/23/25/28
Ambient temperature: - 25 °C to + 55 °C (T55)
Self-extinguishing: 960 °C according to EN 60695-2-11
Halogen free polycarbonate



Mixed connection terminal Cat.No 343 29
Ambient temperature: - 40 °C to + 60 °C (T60)
Self-extinguishing: 960 °C according to EN 60695-2-11
Halogen free polyamide



Use



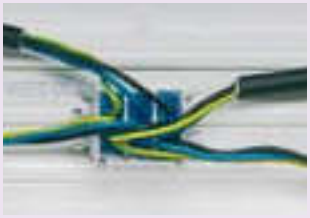
Cat.No 343 99 tool for cable desheathing and rapid wire stripping



Test via IP 2X test tip Cat.No 394 45



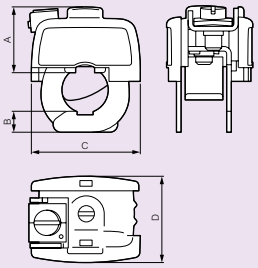
Plexo box with support Cat.No 343 98 directly fixed on top part



Trunking adaptable DLP with support Cat.No 343 98 directly fixed

■ Characteristics

- Resistance to incandescent wire 960°C
- Resistivity ≤ 0.4 mΩ
- Polyamide
- Grey



Cat.Nos	Dimensions (mm) A	B	C	D
343 85	24	8	40.5	31.5
343 85	24	9	49	40
343 87	24	11	59	46.5

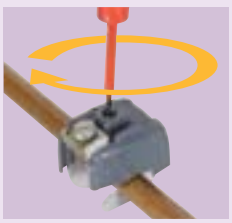
■ Installation



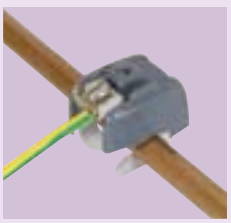
1 Fixed with a quarter turn



2 Held in place by a stainless steel spring blade



3 Final locking with 5.5 mm screwdriver



4 Connecting the equipotential bonding

Catalogue numbers in red: New products.