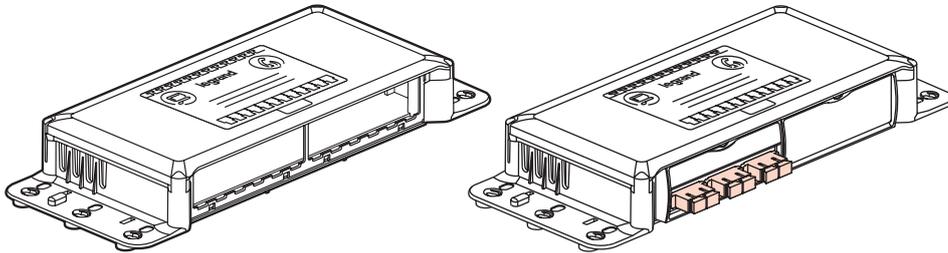


Zone distribution boxes

Catalogue number(s): 0 335 40/43



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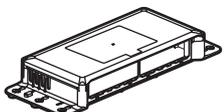
1. GENERAL CHARACTERISTICS

The self-assembly zone distribution box can house both copper and fibre optic cables - Cat. No.: 0 335 40

It allows the distribution of low voltage current in a zone equipped with 1 to 12 sockets and is connected to the patch panel or cabinet by a maximum of 6 or 12 links. The self-assembly zone distribution box can be installed in technical flooring or technical ceilings and can house all LCS² fibre optic modules. It can accept up to 6 fibre connections with pigtail housing.

Ready-assembled zone distribution box with an SC fibre optic module for 6 multimode fibres - Cat. No.: 0 335 43

This allows the distribution of low voltage current; it is ready-assembled with a fibre optic accessory for mounting fibre optic modules and coiling the fibre, and an SC module for 6 multimode fibres. The zone distribution box can be installed in technical flooring or technical ceilings and connects to the floor distribution cabinet.

	Description	Catalogue number	Weight (g)
	Self-assembly zone distribution box	0 335 40	400
	Ready-assembled zone distribution box	0 335 43	507

2. PRESENTATION

Zone distribution box Cat. No.: 0 335 40 can be equipped with the following accessories:

Copper accessories



Fibre optic accessories



	6-port Cat. 5e RJ45 UTP module	0 335 54		6-port fibre optic module ST multimode	0 335 16	
	6-port Cat. 5e RJ45 FTP module	0 335 55			6-port fibre optic module LC duplex single-mode	0 335 13
	6-port Cat. 6 RJ45 UTP module	0 335 64				6-port fibre optic module LC duplex multimode
	6-port RJ45 Cat. 6 FTP module	0 335 65				6-port fibre optic module SC single-mode
	6-port Cat. 6 RJ45 STP module	0 335 66				6-port fibre optic module SC multimode
	6-port Cat. 6A RJ45 STP module	0 335 76				Coiling accessory for 6 fibre optic cables
	Switch 6+1 copper	0 335 02				
	Switch 6+1 fibre optic	0 335 05				
	POE injector	0 335 01				

Zone distribution box Cat. No.: 0 335 43 is equipped with the following accessories:

Fibre optic accessories

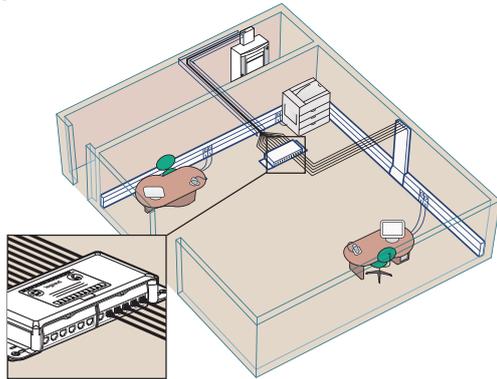


	6-port fibre optic module SC multimode	0 335 17
	Coiling accessory for 6 fibre optic cables	0 335 20

3. USE SCENARIOS

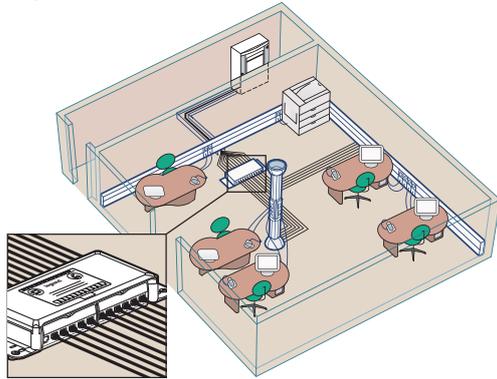
In technical ceiling

7 lines
unused



In technical flooring

1 line
unused



4. TECHNICAL CHARACTERISTICS

4.1 Material characteristics

Resistance to chemicals	Polypropylene	ABS	SBS
Acetone	+ (100%)	+	
Acetic acid	+ (50%)	+ (10%)	+ (10%)
Hydrochloric acid	+ (36%)	+ (10%)	+ (10%)
10% citric acid	+	+	+
4% hydrofluoric acid	+	+	+
Lactic acid	+ (90%)	+ (10%)	+ (90%)
10% nitric acid	+	+	+
85% phosphoric acid	+	+	(+)
25% sulphuric acid	+	+	+
Tannic acid			
Ethanol	+	(+)	+
Methanol	+	(+)	+
Ammonia	+	+	+
Barium chloride	+	+	+
Benzene	(+)	(+)	
Lime chloride	+		
Sea water	+	+	+
Oils, fats	+	+	+
Milk	+	+	+
Fuel oil			
Petrol, diesel	+	(+)	+

4. TECHNICAL CHARACTERISTICS (cont.)

20% sodium chloride	+	+	+
40% caustic soda	+	+	+
Monomer styrene			
Sugar			
Trichloroethylene	-	-	-
Toluene	(+)	-	-
Urine			
Wine	+	+	+
Liquid chlorine	(+)		
Aniline	+	-	+
Bleach	(+)	+	(+)

+ Resistant - Unstable (+) Limited resistance

This information is given as a guide only and cannot be construed as an undertaking on the part of the manufacturer.

Cables attached to support using Colring ties

Materials: polycarbonate lid (PC)

polypropylene base (PP) and metal component

Colour RAL 7035

RoHS compatible

4.2 Mechanical characteristics

Protection rating: IP21

Protection against mechanical impacts: IK07

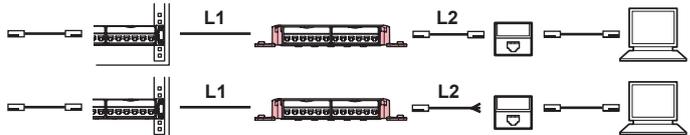
Resistance of modules connected to box: 100 N

5. INSTALLATION

The zone distribution box and the copper or fibre optic feed-through connections allow total flexibility: copper and fibre optic connections are consolidated at a single point near the workstation.

The maximum recommended lengths for links ensure system performance with the use of copper RJ45 feed-through connections and/or RJ 45 sockets.

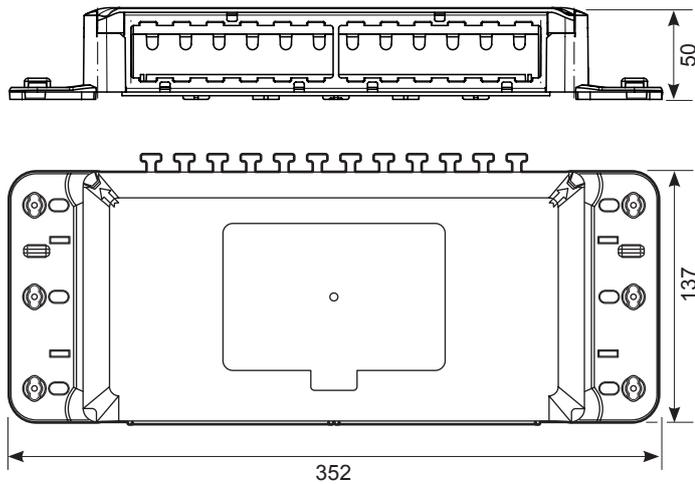
It is recommended to choose the shortest cable lengths possible in order to have greater flexibility in the length of strands in the event of re-configuration.



Distances to respect for copper links (with no switch in the zone distribution box)

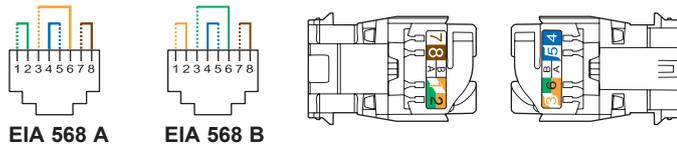
ISO/IEC 11801 Amendment 1	L1 (m)	L2 (m)	L1 (m) + L2 (m)
Cat. 5e	≤ 75	8	≤ 83
	≤ 65	15	≤ 80
	≤ 60	20	≤ 80
Cat. 6	≤ 70	8	≤ 78
	≤ 60	15	≤ 75
	≤ 55	20	≤ 75

6. OVERALL DIMENSIONS



7. CONNECTION

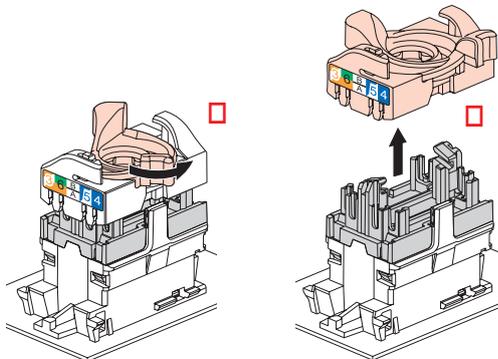
7.1 Usual connection of RJ45 sockets



- Conductors supported:
- Single-strand: 0.5 to 0.65 mm, AWG 22 to 24
 - Multi-strand: AWG 26
 - Polyethylene conductor insulation: max. Ø with insulation 1.58 mm

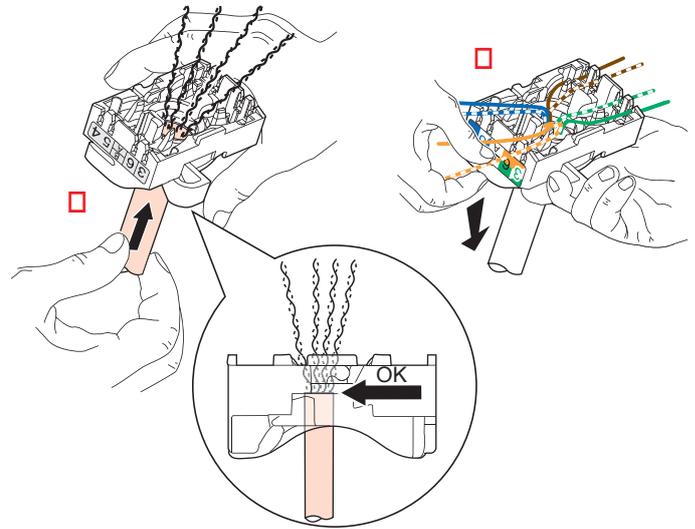
Number of wires to connect per connection: 1

The RJ45 connectors are equipped with a rotating locking system that does not require special tools and enables rewiring in the event of error.



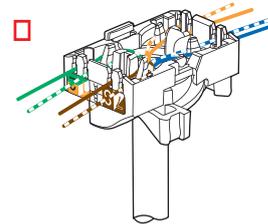
7. CONNECTION (cont.)

This system allows the wire pairs to be spread easily before attaching them to the connector.

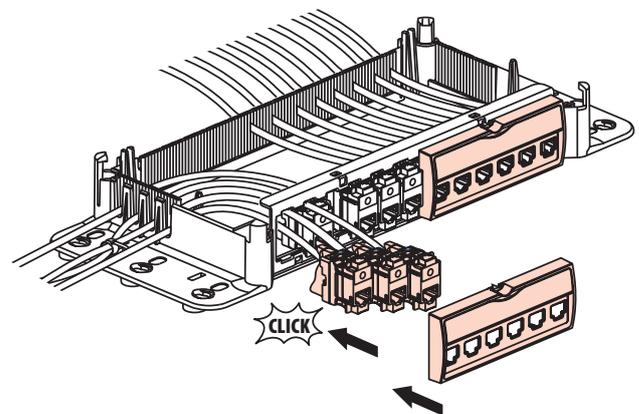


Spreading the wires ensures that pairs are separated by the required 13 mm.

Spreading the pairs at 90° in relation to the cable ensures the best performance levels.



The metal component is used to harmonise the earth connection and to ensure the connectors are stable however rough the floor or ceiling surfaces are.



7. CONNECTION *(cont.)*

7.2 Connecting optical fibres

Connecting optical fibres requires accessory Cat. No. 335 20 which enables the optical fibre to be coiled up in the zone distribution box.

