

# Coordination Inductors

## DSH



These coordination inductors are specially designed to control the implementation of the primary and secondary levels of DS surge protectors.

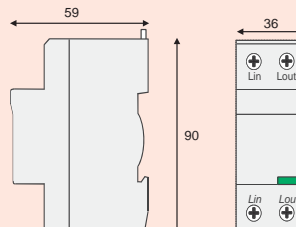
They are necessary where the coordination cannot be accomplished using the «natural» inductance of the active conductors (in particular in a small volume, where the length of line wire between primary SPD and secondary SPD is lower than 10 m).

DSH inductors are DIN rail compatible and are connected in series on the line to be protected and depend on the maximum line current.

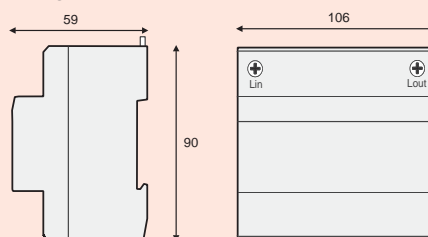
Several current values are available: 16A, 35A, 63A and 100 A.

### Dimensions (in mm)

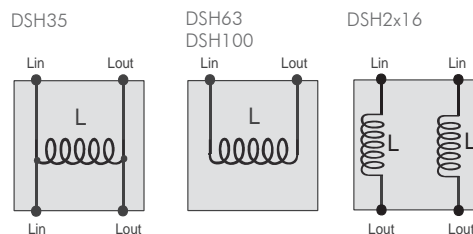
DSH35 - DSH2x16



DSH63 - DSH100



### Electrical diagram



L : inductor

- Coordination inductors for Surge Protectors
- For use with the DS series
- 35A, 63A, 100A and 2 x 16A versions

### Characteristics

CITEL part number	DSH100	DSH63	DSH35	DSH2x16
Type	inductor	inductor	inductor	double inductor
Connexion mode	1 DSH in series on each active wire	1 DSH in series on each active wire	1 DSH in series on each active wire	1 DSH in series on 2 active wires
Max. operating voltage	Uc 500 Vac	500 Vac	500 Vac	500 Vac
Max. line current	IL 100 A	63 A	35 A	2 x 16 A
Line inductance	15 µH	15 µH	15 µH	2 x 15 µH
<b>Mechanical characteristics</b>				
Dimensions	see diagram			
Connection	- by screw terminals : 6-35 mm <sup>2</sup> (DSH2x16 and DSH35), 4-50 mm <sup>2</sup> (DSH63 and DSH100) - by bus (DSH2x16 et DSH35)			
Mounting	symmetrical rail 35 mm			
Operating temperature	-40/+85 °C			
Protection class	IP20			
Housing material	Thermoplastic UL94-V0 and UL94-5VA (DSH35-DSH2x16)			