

FUSE SWITCH DISCONNECTORS D0 FUSE COMBINATION UNITS

Cat.No(s): 4 030 50/51/52/53/54



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1. USE

The R300 is a combination of fuse switch disconnecter and D02 or D01 fuse-link, equipped with significant safety characteristics and sophisticated switching and terminal technology.

The power dissipation of D02 and D01 fuse-links leads to internal heating in the R300 device. Special design measures have been implemented in the development of R300 in order to prevent the device from overheating and avoid the unwanted, premature operation of the fuse.

2. RANGE

D0 R300 D02 230 to 400 V~, 65 V= per pole

Number of poles/phases	Cat.Nos
1P	4 030 50
1P+N	4 030 51
2P	4 030 52
3P	4 030 53
3P+N	4 030 54

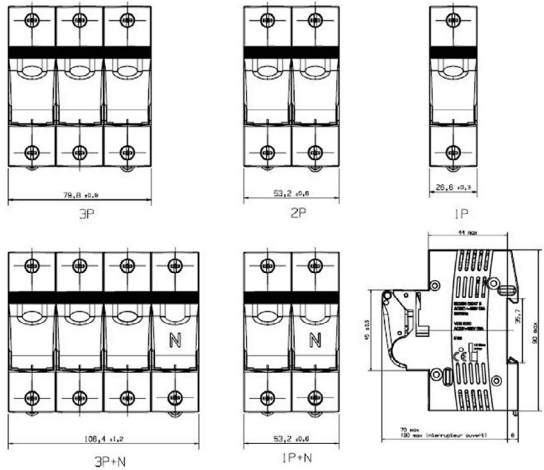
3. TECHNICAL CHARACTERISTICS

	Cat.No 4 030 50 (1P)	Cat.No 4 030 51 (1P+N)	Cat.No 4 030 52 (2P)	Cat.No 4 030 53 (3P)	Cat.No 4 030 54 (3P+N)
Utilisation category	gG, aM and gR only with restrictions				
Voltage	400 V~	400 V~	400 V~	400 V~	400 V~
Rated current In	63 A				
Breaking capacity	50 kA				
Protection	IP20				
SCCR	AC 22B				
Mounting	DIN rail in accordance with the standard EN 63715				
Product size	D01 (with reduction spring Cat.No 4 030 57) and D02				
Operating temperature	-20°C up to 60°C				
Pollution degree	3				
Overvoltage category	IV				
Rated frequency	50-60 Hz				
Rated impulse withstand voltage Uimp	6 kV				
Power dissipation of fuse-holder	Phase=1.8 W and Neutral=1.4 W				
Max. power dissipation of fuse-links Pn	7 W				

4. DIMENSIONS AND WEIGHTS

■ 4.1 Dimensions

Cat.Nos	Width (mm)
4 030 50	27
4 030 51	54
4 030 52	54
4 030 53	81
4 030 54	108



4.2 Weights

Cat.Nos	Weight (g)
4 030 50	140
4 030 51	280
4 030 52	280
4 030 53	420
4 030 54	560

5. ELECTRICAL CONNECTIONS

Flexible wiring with conductor end sleeves	Two wires of same cross-section: up to max. 16 mm ²
	Two different wires: - 25 mm ² and max. 6 mm ² - 35 mm ² and max. 4 mm ² With paired conductor end sleeves: up to max. 16 mm ²
Flexible, thin-wire wires without conductor end sleeves	Two wires of same cross-section: up to max. 16 mm ²
	Two different wires: - 25 mm ² and max. 16 mm ² - 35 mm ² and max. 10 mm ²
Short-circuit resistant wires	Two wires of same cross-section: up to max. 6 mm ²
Terminal	Double cage 35 mm ²
Tightening torque (recommended)	3.5 Nm

6. ACCESSORIES

■ 6.1 Screw cap wrench Cat.No 4 030 58



■ 6.2 Locking cap for D0 R300, with industrial locking wrench 63A Cat.No 4 030 55



■ 6.3 Special key for locking caps Cat.No 4 030 56

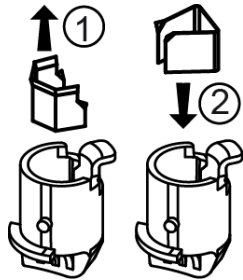


6. ACCESSORIES (continued)

■ 6.4 Adapter for Size D01 fuse-links in Size D02 bases Cat.No 4 030 57



Principle of installation of the reduction spring for D01 fuses:



7. CONFORMITY

RoHS: Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

REACH: The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

WEEE: WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste.

PACKAGING: Design and manufacture of packaging compliant with European Directive 94/62/CE.

Compliance with standards:

EN/IEC 60947-3

IEC 60269-3

DIN VDE 43880

DIN VDE 0660 PART 107

DIN VDE 0638

DIN VDE 0636 PART 3

8. OTHER INFORMATION

For further technical information, please contact Legrand technical support.

Unless otherwise indicated, data reported in this document refers exclusively to test conditions according to product standards.