

## RE8 LINE

single-phase reactors

RE8



## PROTECTING THE WORLD

RE8

MAX WORKING VOLTAGE

690V

CURRENT

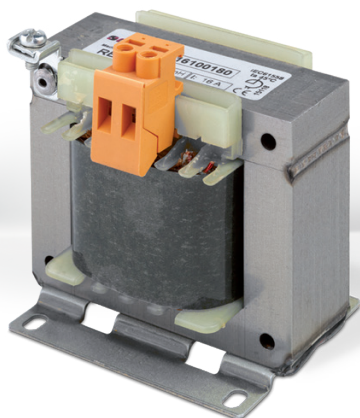
6A...63A

VOLTAGE DROP

4% <sup>230V</sup>

STANDARDS

IEC/EN 61558-2-20  
IEC/EN 60076-6



## RE8 LINE

### Single-phase reactors

RE8 single-phase reactors are specially designed to be installed in the supply line of motor drives, power converters or similar devices, where they are intended to:

- Protect the converter against notches and network spikes
- Reduction of interferences between converters
- Limitation of inrush currents
- Reduction of harmonics, reducing the current and improving the power factor

These reactors are calculated with a voltage drop of 4% (230V), but they can work up to 690V.

Manufactured with low loss magnetic steel and copper windings, providing low watts loss and good efficiency.

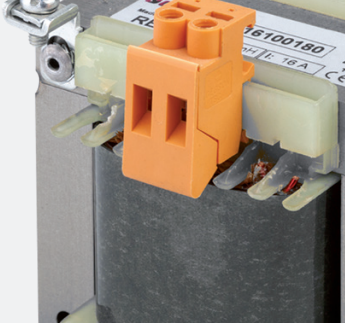
They are impregnated with high solid content varnish that provide a good protection and avoid vibrations.

On request we can design and manufacture reactors with other characteristics, for other applications, with thermal switch, etc.

## Range

CURRENT (A)	L (mH)	REFERENCE
6	4,881	<b>8006100480</b>
10	2,928	<b>8010100290</b>
16	1,830	<b>8016100180</b>
25	1,171	<b>8025100110</b>
32	0,915	<b>8032291500</b>
40	0,732	<b>8040273200</b>
50	0,586	<b>8050258600</b>
63	0,465	<b>8063246500</b>

OTHER CHARACTERISTICS ON REQUEST SUBJECT TO AVAILABILITY AND POSSIBILITY



## Technical data

Maximum working voltage	690V
Voltage drop	4% (230V)
Protection against electric shock	Class I
Thermal class	B (130°C)
Rated ambient temperature	40°C
Protection index	IP00
Frequency	50/60Hz
Inductance tolerance	5%
Maximum permanent overload	1,1·I <sub>N</sub>
Dielectric strength	≥ 3kV
Ambient temperature of service *	-25°C ... 70°C
Storage temperature	-40°C ... 85°C
Cooling	<b>Natural air cooling</b> If the transformer is placed into a cabinet, it must have adequate ventilation

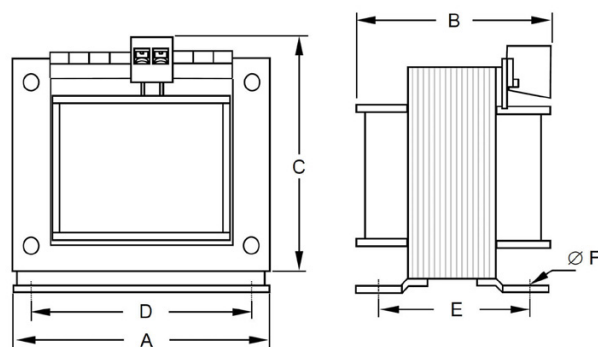
\* For ambient temperatures higher than 40°C it is necessary to apply a derating.

## Standards

IEC/EN 61558-2-20  
IEC/EN60076-6  
RoHS Compliant



## Dimensions



## Constructive characteristics

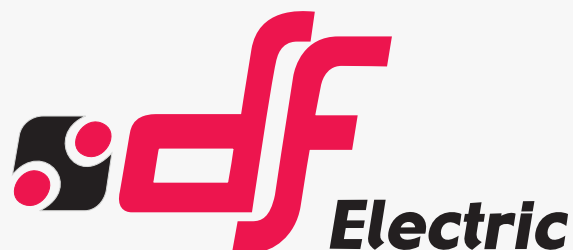
Core made with electrical steel with high permeability and low losses

Windings in copper F (155°C) or H (180°C) thermal class

Impregnation with varnish class H (180°C) with high solids content, in order to obtain low noise, good isolating properties and good protection against adverse ambient

Connection with terminal blocks

CURRENT	DIMENSIONS						WEIGHT
(A)	(mm)						(kg)
	A	B	C	D	E	F	
6	60	71	77	44	39	3,5	0,50
10	60	80	77	44	49	3,5	0,72
16	84	73	95	64	52	4,8	1,30
25	84	84	95	64	67	4,8	1,85
32	96	85	106	84	67	5,7	2,15
40	96	110	115	84	77	5,7	2,60
50	108	123	122	80,5	87	5,7	4,30
63	120	120	130	90	87	5,7	4,80



## PROTECTING THE WORLD



### HEAD OFFICE AND FACTORY

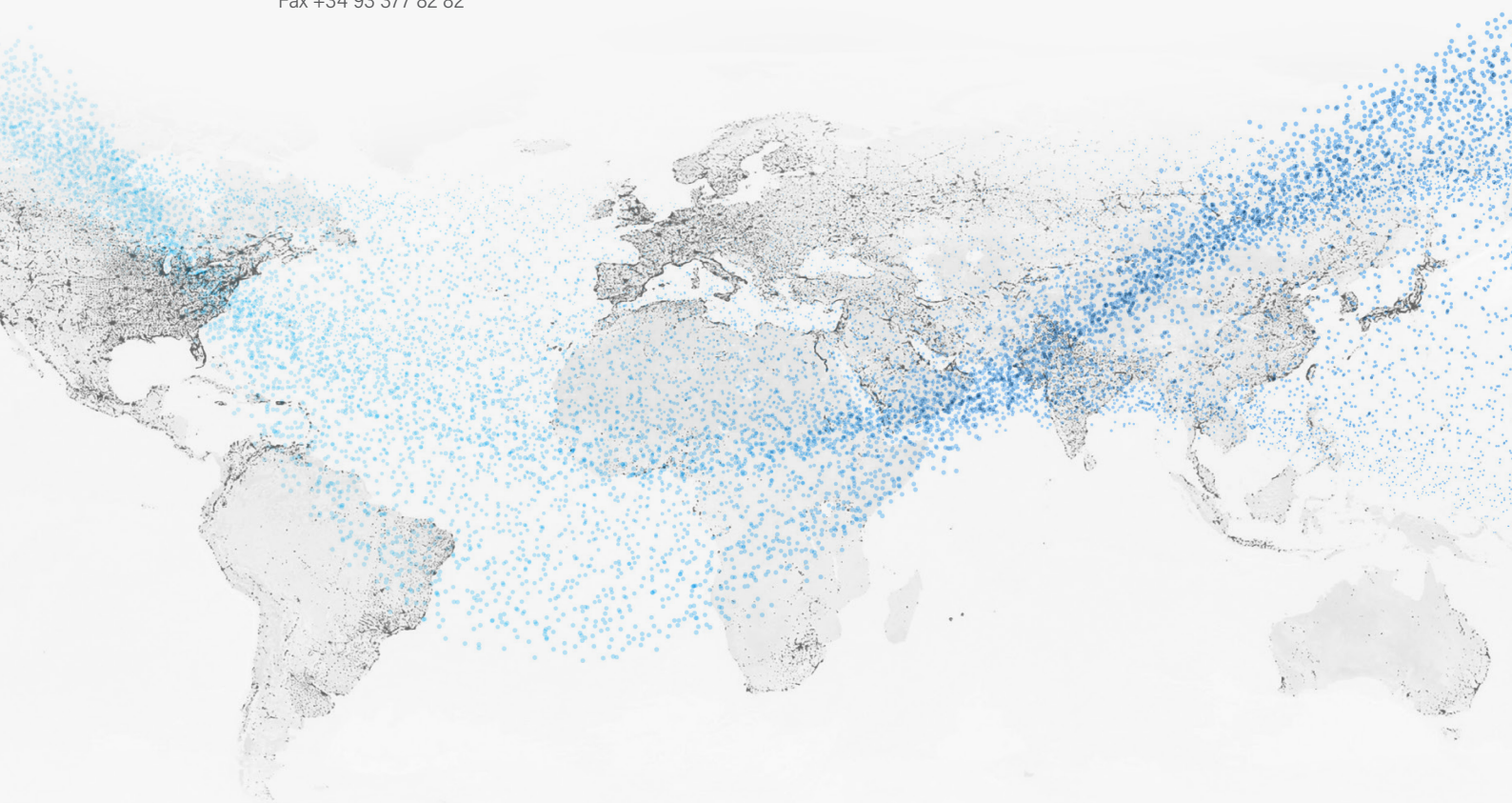
SILICI, 67-69  
08940 CORNELLA DE LLOBREGAT  
BARCELONA · SPAIN  
Tel. +34 93 377 85 85  
Fax +34 93 377 82 82

### INTERNATIONAL SALES

Tel. +34 93 475 08 64  
Fax +34 93 480 07 75  
export@dfelectric.es

### NATIONAL SALES

Tel. 93 475 08 64  
Fax 93 480 07 76  
comercial@dfelectric.es



dfelectric.es



According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



To prevent electrical hazards, carry out the installation without voltage.



**Safety notice**  
Please capture the following QR code and read our safety notice carefully before installing our products.



The data reflected in this technical record are subject to the correct installation of the product in accordance with manufacturer's instructions, relevant installation standards and professional practices, maintained and used in applications for which they were made.

The products described in this document have been designed, developed and tested in accordance with specific standard. They are considered components that are integrated as part of installation, machine or equipment. The correct general operation of the referred product is responsibility of the manufacturer of the installation, machine or equipment.

DF ELECTRIC cannot guarantee the characteristics of an installation, machine or equipment that has been designed by a third party. Once a product has been selected, the user must verify that it is appropriate for its application, through the verifications and/or tests that it deems appropriate.

DF ELECTRIC retains the right to change the dimensions, specifications, materials or design of its products at any time with or without notice.

©2020 DF Electric. All rights reserved