



PMX

industrial modular fuse holders
for cylindrical fuse links

PMX

22x58



8x32

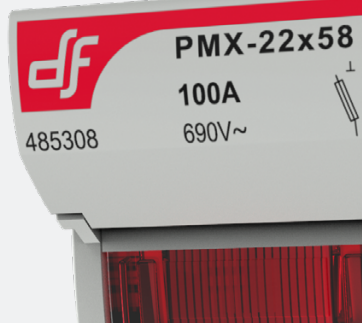
10x38

14x51

22x58

22x65

PROTECTING THE WORLD



Industrial modular fuse holders for cylindrical fuse links

Modular fuse holder for cylindrical fuse link size 10x38 according IEC/EN 60269 standard.

Compact design, with reduced dimensions.

Ventilation zones optimized for a better heat dissipation.

Manufactured with a high quality materials

- Silver plated copper contacts.
- Plastic materials with high temperature resistance and self-extinguishable.
- All the materials are according to the European Directive RoHS.



Extended range of accessories is available.

UL certification (File E193529).



Accessories

REFERENCE	DESCRIPTION	PACKING Uni /BOX
480005	PIN FOR MULTIPOLE ASSEMBLY	12/300
485356	HANDLE TIES FOR MULTIPOLE ASSEMBLY	12/300
485357	TIES FOR MICROSWITCH ASSEMBLY	12/300
485358	LOCK SUPPORT	5
485359	1P MICRO	5
485360	3P MICRO	2
485361	3P - DOUBLE MICRO	2
485362	MICRO 1P EXTENSION	5
485363	MICRO 3P EXTENSION	2
485364	FUSING INDICATOR REPLACEMENT 120/690V AC	3
485365	FUSING INDICATOR REPLACEMENT 24V DC	3
485366	SPECIAL IP20 PROTECTION ACCESSORY	12
485367	SPECIAL SCREW CONNECTION ACCESSORY	12
485371	SCREW PROTECTION ACCESSORY	20
485372	PRE-BREAKING MODULE	6/48

Range

U _n	REFERENCE WITHOUT INDICATOR	REFERENCE WITH INDICATOR	POLES	MODULES	PACKING Uni /BOX
690V AC 750V DC	485301 cUL US	485308 cUL US	1P	2	6/48
	485302 cUL US	-	N	2	6/48
	485303 cUL US	485309 cUL US	1P + N	4	3/24
	485304 cUL US	485310 cUL US	2P	4	3/24
	485305 cUL US	485311 cUL US	3P	6	2/16
	485306 cUL US	485312 cUL US	3P + N	8	1/12
	485307 cUL US	485313 cUL US	4P	8	1/12
24V DC	-	485314 cUL US	1P	2	6/48
	-	485315 cUL US	1P + N	4	3/24
	-	485316 cUL US	2P	4	3/24
690V AC 750V DC	WITH MICROSWITCH				
	PREBREAKING FUSING - PRESENCE	ONLY FUSION			
	485320 cUL US	485326 cUL US	1P	2	6/48
	485321 cUL US	485327 cUL US	1P + N	4	3/24
	485322 cUL US	485328 cUL US	2P	4	3/24
	485323 cUL US	485329 cUL US	3P	6	2/16
	485324 cUL US	485330 cUL US	3P + N	8	1/12
	485325 cUL US	485331 cUL US	4P	8	1/12

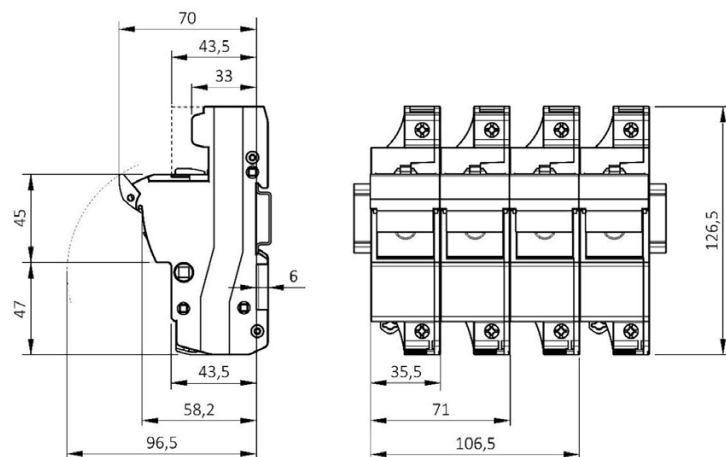
Technical data

Rated current *	100A												
Rated voltage	690V AC 750V DC IEC 750V AC UL-CSA												
Rated power dissipation	9,5W												
Maximum power dissipation	12W												
Power dissipation per pole	80% $I_n > 1,38W$ 100% $I_n > 2,18W$												
Utilization category as per EN 60947-3	AC-21B 690V												
Pollution degree	3												
Protection index **	IP20												
Rated impulse withstand voltage	6kV U imp												
Ambient temperature of service	-40°C ... 70°C (with carrier operation) -50°C ... 80°C (without carrier operation)												
Storage temperature	-50°C ... 80°C												
Derating by number of poles	<table> <tr> <th>POLES</th><th>I_{MAX}</th></tr> <tr> <td>1 ... 4</td><td>I_n</td></tr> <tr> <td>5 ... 6</td><td>$0,8 \times I_n$</td></tr> <tr> <td>7 ... 9</td><td>$0,7 \times I_n$</td></tr> <tr> <td>≥ 10</td><td>$0,6 \times I_n$</td></tr> </table>	POLES	I_{MAX}	1 ... 4	I_n	5 ... 6	$0,8 \times I_n$	7 ... 9	$0,7 \times I_n$	≥ 10	$0,6 \times I_n$		
POLES	I_{MAX}												
1 ... 4	I_n												
5 ... 6	$0,8 \times I_n$												
7 ... 9	$0,7 \times I_n$												
≥ 10	$0,6 \times I_n$												
Correction of the admissible current in function of the temperature	<table> <tr> <td>20° C</td><td>1</td></tr> <tr> <td>30° C</td><td>0,95</td></tr> <tr> <td>40° C</td><td>0,90</td></tr> <tr> <td>50° C</td><td>0,80</td></tr> <tr> <td>60° C</td><td>0,70</td></tr> <tr> <td>70° C</td><td>0,60</td></tr> </table>	20° C	1	30° C	0,95	40° C	0,90	50° C	0,80	60° C	0,70	70° C	0,60
20° C	1												
30° C	0,95												
40° C	0,90												
50° C	0,80												
60° C	0,70												
70° C	0,60												

* Accept 125A fuse links

** For wires of section $\leq 10mm^2$ is necessary the use of the accessory to guarantee IP20 in clamps zone. ►FIG. 5

Dimensions



Weight

	STANDARD WITH INDICATOR	WITH MICROSWITCH
1P	155gr	165gr
N	170gr	—
1P + N	325gr	335gr
2P	310gr	330gr
3P	465gr	495gr
3P + N	635gr	665gr
4P	620gr	660gr

Weight without packing

Standards

IEC/EN 60269-1

IEC/EN 60269-2

UL4248-1 Fuse holders

UL486E Wiring terminals

CSA C22.2 N° 4248-1 Fuse holder assemblies

CSA 22.2 N° 65 Wire connectors

Certifications




Application characteristics

For mounting on DIN/EN standard rail

DIN 46277/1-3 (EN50022)
Clip fixation with 2 positions

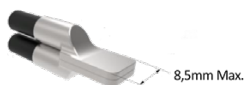
Connecting wire
Copper wires only

WIRES	METRIC	AWG	WIRING	
1	1,5...50mm ² Solid	1.....16 AWG Solid		
	1,5...35mm ² Stranded	2.....16 AWG Stranded		
2 Same cross section and type	1,5...16mm ² Solid	6.....16 AWG Solid / Stranded		
	1,5...10mm ² Stranded			

Wire-end terminals

The use of wire-end terminals may allow to increase the connecting wire section.

Wire-end terminals recommended mounting:



The use of wire-end terminals could not guarantee the IP20 protection degree.

Ferrules

It's recommended use of ferrules in wires with section ≤ 2,5mm²



The product is delivered with the terminals opened and ready to connect

Accessories

FIG. 1 | Multipolar assembly

Standard system by DF, 3 clips and 1 pin for each union between poles

480005	PINS FOR MULTIPOLE ASSE
485356	HANDLE TIES FOR MULTIPOLE ASSEMBLY
485357	TIES FOR MICROSWITCHES ASSEMBLY

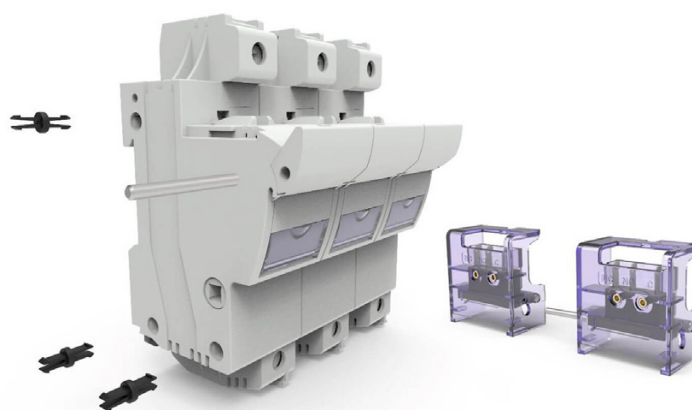


FIG. 2 | Identification by label

Open the label holder part with the fuse holder closed, put on the label and close it



Label measures **25x10mm**

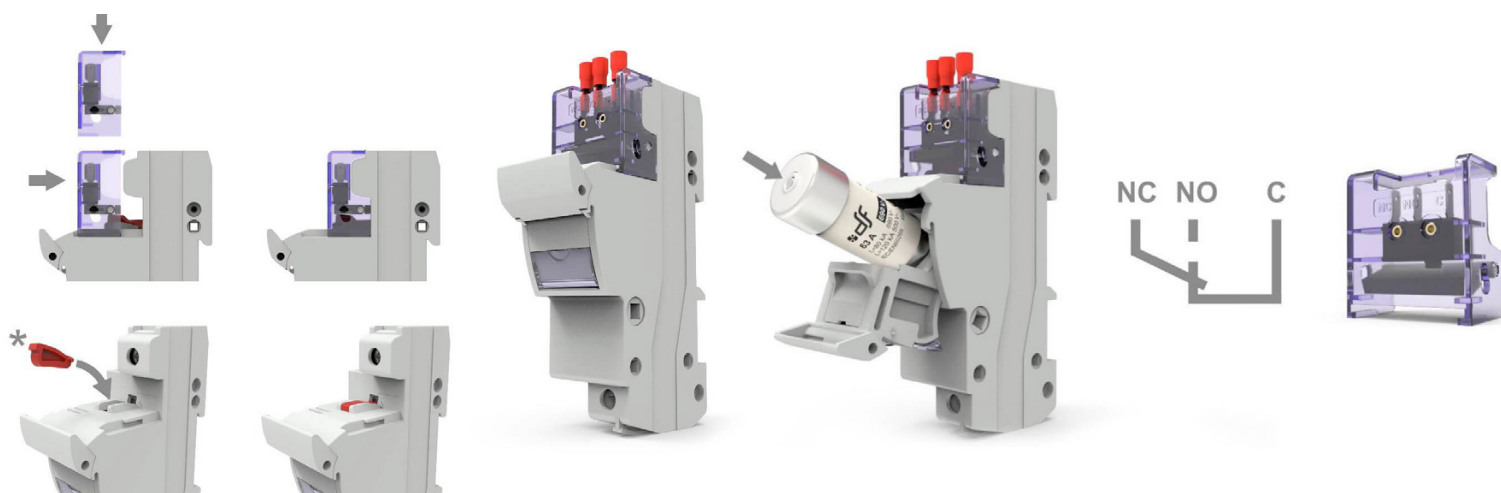
Tightening torque on terminals	3,5...4 Nm 31...35 lb.in
Screws with a combined head	SLOT + PZ2
Multipolar assembly	► FIG. 1
Fuse holders with fuse indicator	NEON 230...690V AC LED 12...24V DC 30...60V DC
Fuse holders with microswitch 5A - 250V	Both versions delivered with 3 pre-insulated terminals (fast-on 2,8 x 0,5) NO(Normally closed) NO(Normally Open) contacts 1. Fusing + pre-breaking + fuse link detection 2. Only fusion - Only detection of fuse link operation - Also as accessory mounted on standard fuse holders
Special zone for sealing	Ø1,5 mm wire
Label holder for a better circuit identification	► FIG. 2 Suitable size for label: 25x10 mm
Accessory available to lock the fuse holder by a padlock	► FIG. 4 (max. 3 padlocks of Ø 3mm)

Accessories

FIG. 3 | Microswitch mounting

Put on the microswitch on the guides, and push in horizontal movement to the final position.

* For Only Fusion accessory, first mount the lifter in his place.



485359	1P MICRO
485360	3P MICRO
485361	3P - DOUBLE MICRO
485362	1P EXTENSION
485363	3P EXTENSION

FIG. 3.1 | Extension microswitch accessory

Number of multipolar assemblies allowed with extension accessory microswitch unipolar: **max 2**

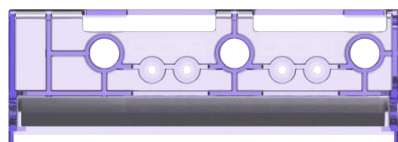
485362 MICRO 1P EXTENSION



x2 max

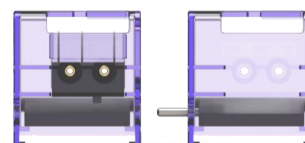
Number of multipolar assemblies allowed with extension accessory microswitch tripolar: **max 1**

485363 MICRO 3P EXTENSION



x1 max

Accessory assembly

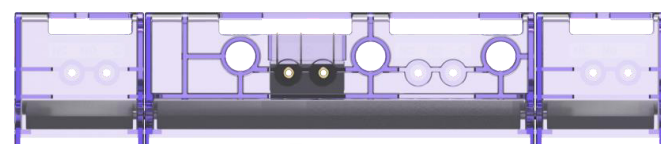
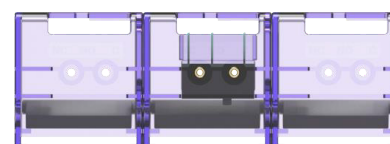


Microswitch

Extension
accessory

2 Accessories assembly

Always one to each side of the microswitch



Accessories

FIG. 4 | Locking means a padlock

To avoid the operation and connection when the fuse holder is open, put on the accessory "Padlock support" sliding it for the guides, and covering the fuse link zone.
(It's possible the use with or without fuse link)

Introduce the padlock trough the symmetrical holes and close it.

485358 LOCK SUPPORT

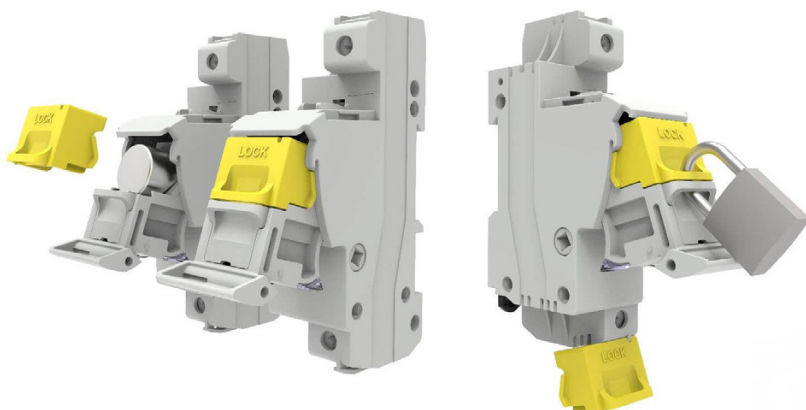


FIG. 6 | Screws protection accessory

Protection accessory to avoid the screws manipulation and improve the protection degree

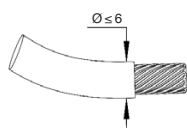
485371 SCREWS PROTECTION ACCESSORY



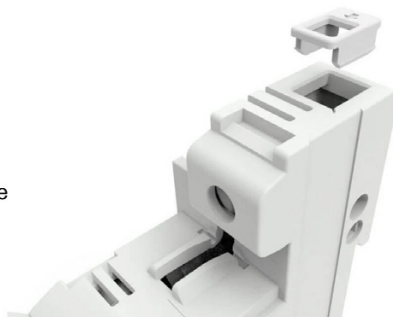
FIG. 5 | Special IP20 protection

The accessory must be positioned in the wire entries, if it's necessary to achieve the IP20 degree of protection with thin wires

485366 SPECIAL IP20 PROTECTION ACCESSORY



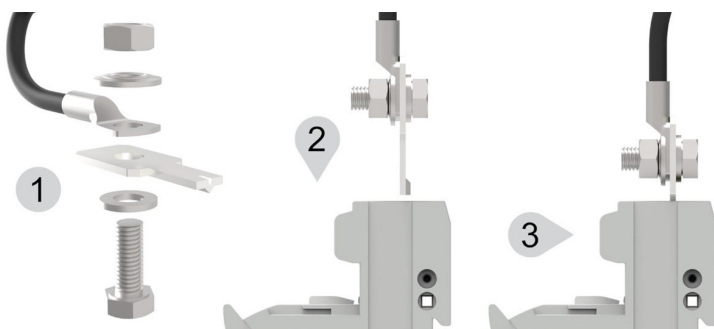
To obtain an IP20 rating with cable protection of $\varnothing \leq 6\text{mm}$, use the special protection accessory



Accessories

FIG. 8 | Special screw connection accessory

485367 SPECIAL SCREW CONNECTION ACCESSORY



1

Mount the accessory
in the wire (6Nm)

2

Wiring in the fuse holder

3

Apply tightening torque
(2,5...3 Nm)

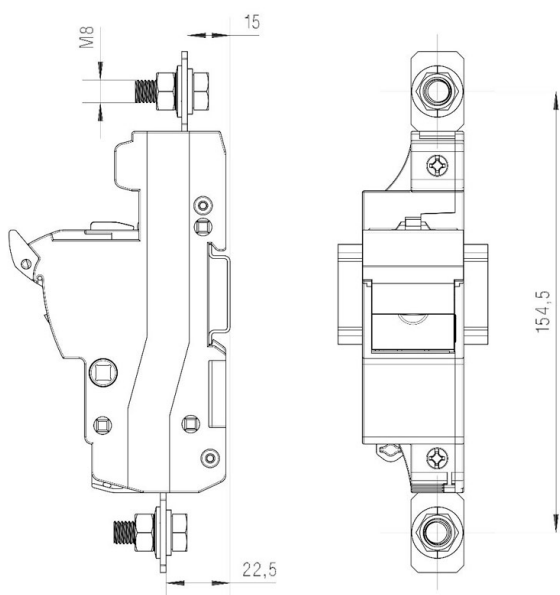


FIG. 9 | Fusing indicator replacement instructions

485364 FUSING NEON INDICATOR REPLACEMENT 120/690V AC

485365 FUSING INDICATOR REPLACEMENT 24 VDC

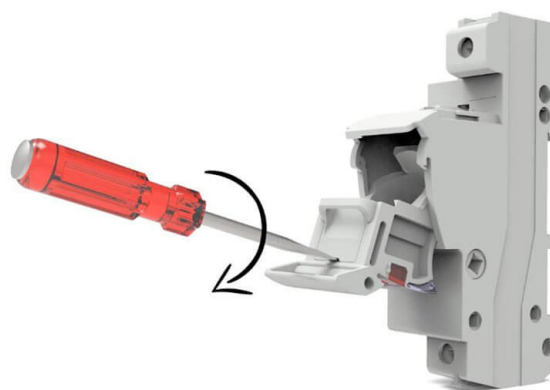
1

Open the fuse holder



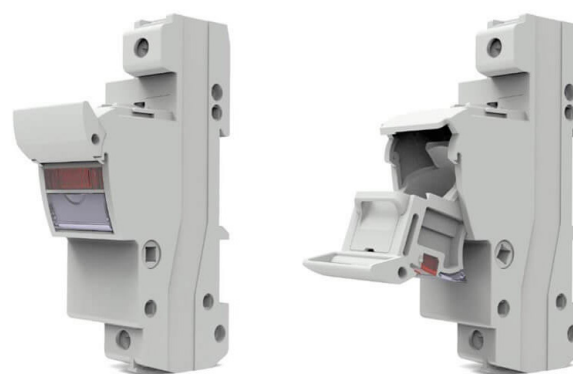
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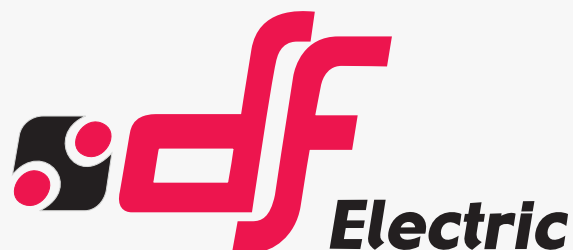
Using a flat screwdriver, remove the
cover with a slight rotation of the tool



3

Replace the fusing indicator. Enter the
cover on the handle with a slight angle





PROTECTING THE WORLD

HEAD OFFICE AND FACTORY

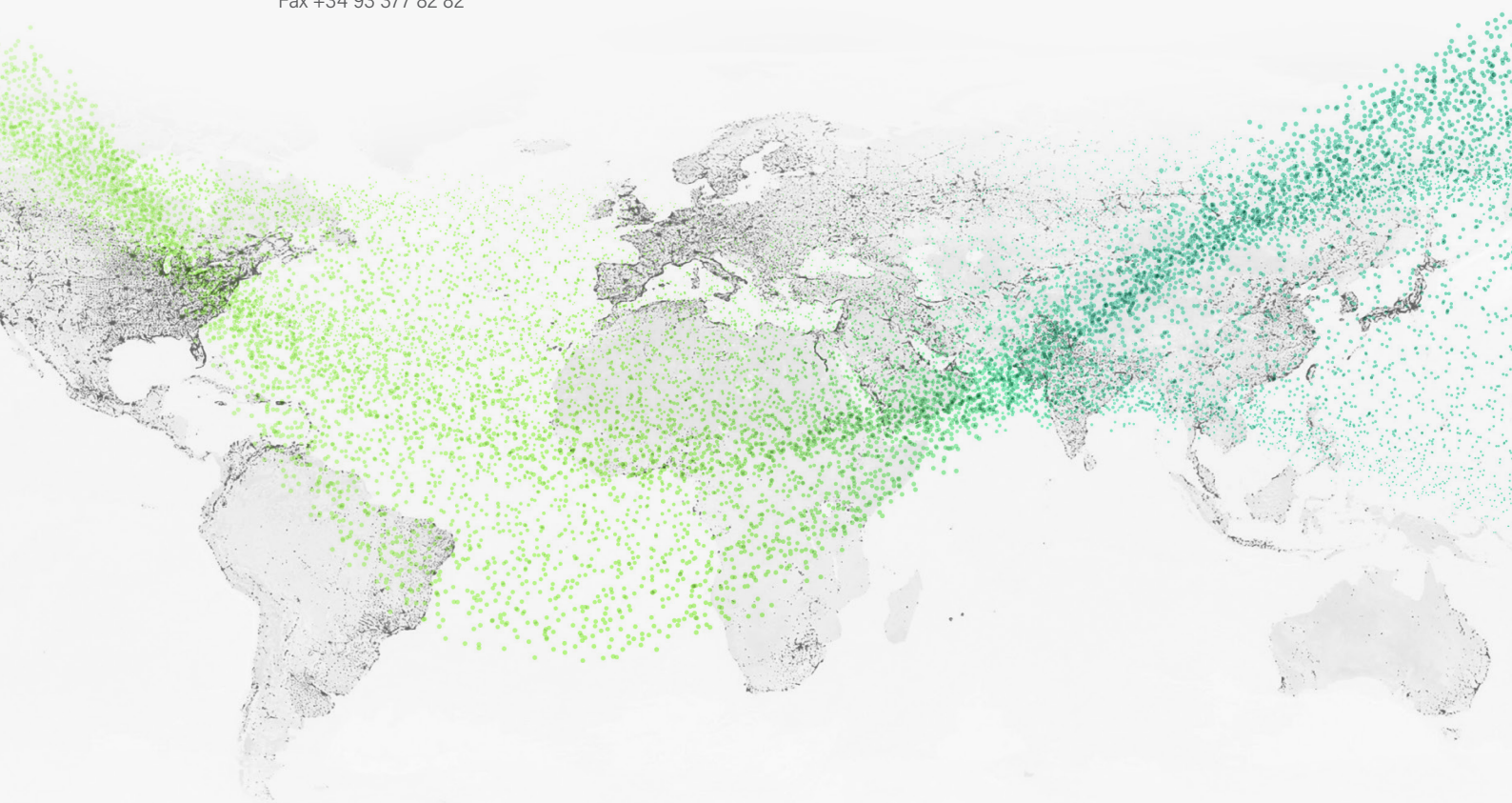
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