

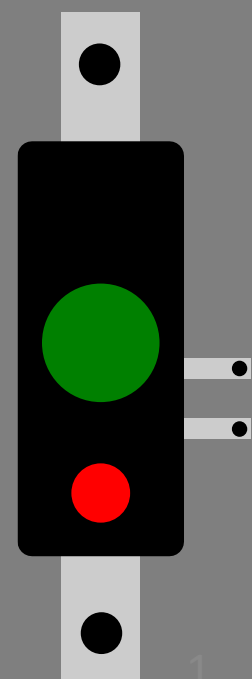


SELECTOR GUIDE

Any fuzzy
goal leads to
a specific
mistake

RANGE 7

Good protection comes from a good definition of your breaker



ENGLISH
VERSION



18/09/2020

SELECTOR GUIDE



NUMBER OF POLES	code
1 pole	1
2 poles	2
3 poles	3
4 poles	4
Range 7500 1 pole (up to 100A)	5

SYSTEM CONTROL	code
Without button / shunt for neutral	0
Without trip button off	1
With trip button off	2

CONNECTION	code
1 / 2 / 5 : Flush mounting models	
Fast connections (male) 6,35 x 0,8 at 45° (In 15A)	101
Terminals at 60° screws with clamps for cable up to 1 x 6 mm2 (In 20A)	104
Fast connections (male) 6,35 x 0,8 at 90°	109
Terminals at 60°, HS M4 screws for cable up to 1 x 6 mm2 (In 20A)	204
2 faston 6.35 angled 90 ° + 1 for external control	209
Terminals at 60 °, wavy washer H screw M3 + Fast connections (male) 6,35	304
Terminals at 60° + Fast connections (male) 6,35 x 0,8 at 90°	307
double fast on lugs	308
Terminals at 60° opposed, HS M4 screws for cable up to 1 x 6 mm2 (In 20A)	404
Fast connections (male) 6,35 x 0,8 at 90°	409
Terminals at 60°, screws with clamps (Range 7500)	504
Terminals at 60° parallel wavy washer slotted H screw M5 (Range 7500)	505
Terminals, screws with clamps, 1 at 60°,1 at 90°, for cable from 6 to 16 mm2	514
Double fast-on 6,35 x 0,8 (1 at 90° + 1 at 60°)	803
3 / 7 : Snap on DIN rail models	
Flat terminals, screws with clamps (In 20A)	402
Up pillar type terminals, longitudinal hole (In 40A)	413
Fast connections (male) 6,35 x 0,8 at upward	451
Flat terminals, screws M5	452
Flat terminals, screws with clamps (Range 7500)	502
Flat terminals, wavy washer slotted H screw M5 (Range 7500)	506
6 : Without fixation models	
Terminals design on request	***
9 : Plug-in base for print circuit	
Fast connections (male), 6,35 x 0,8 at 90°	409
0 : Plug-in	
Pins Ø 7, 20 mm between axles (série 7000)	707
Pins Ø 8,8 , 30 mm between axles (Range 7500)	708

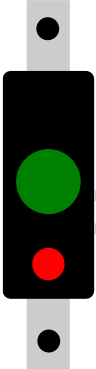
7	A	B	C	D
NUMBER OF POLES	CONTROL SYSTEM	MOUNTING	CONNECTION	

MOUNTING	code
Plug-in (20A limitation)	0
Flush-mounting, 2 screws on front face	1
Flush-mounting, threaded collar for mounting on front face	2
Snap on DIN asymetrical rail	3
Push-push, threaded collar for mounting on front face	5
Without fixation	6
Snap on DIN symetrical rail	7
Plug-in base for print circuit	9

E	F	G	H
RATED CURRENT	CURVE	OPTION	OPTION

Exemple

7 1 2 7 4 0 2 1,5 C 8 2 1 0



- DIRUPTOR série 7
- A. one pole
- B. with trip button « OFF »
- C. snap on DIN symetrical rail
- D. fast terminals, screws with clamps
- E. 1,5 A
- F. C curve
- G. NO auxiliary contact
- H. reinforced tropicalization

RANGE 7000	RATED CURRENT	
	1 pole	2 / 3 / 4 poles
Thermal	0,04 - 40 A (1)	0,04 - 32 A (1)
Thermal-magnetic	0,10 - 40 A (1)	0,10 - 32 A (1)
Magnetic (2)	14 A eff. 20 A AC max	14 A eff. 20 A AC max
RANGE 7500	RATED CURRENT	
Thermal	2 - 100 A	
Thermal-magnetic	2 - 70 A	
(1) Plug-in (20A limitation)		
(2) 20 A AC = peak value		

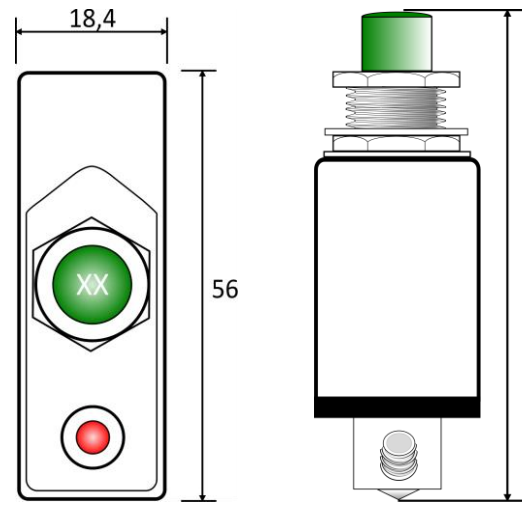
CURVE	code
Thermal	T
Magnetic	M
Thermal-magnetic (EN 60934)	C
Thermal-magnetic (EN 60934)	D
Thermal-magnetic (NF F 62-001)	AN
Thermal-magnetic (NF F 62-001)	AS
Thermal-magnetic (NF F 62-001)	BS
Switch	N

OPTION	code
RANGE 7000	
Auxiliary contacts	
Normally closed : NC (soldered connections)	01
Normally open : NO (soldered connections)	02
Normally closed : NC (2,8 x 0,5 connections)	81
Normally open : NO (2,8 x 0,5 connections)	82
Changeover (2,8 x 0,5 - 3 connections)	84
Others	
Special contacts for high peak of current, (thermal release only)	05
Temperature compensation (thermal 2 to 30A, thermal-magnetic 3 to 20A)	20
Special adjustment for magnetic release	42
Red pushbutton "ON"	44
Trip button off flush mounting from threaded collar	47
Knurled nut and counter nut for drilling 14,5 mm	69
Power contacts delivered with shunt	70
Nuts for threaded collar delivered separately	71
Diruptor with connections 104, delivered without screw and clamp	72
Flush mounting Diruptor, top screws delivered separately	73
Aeronautic AIR 8460/B	75
U.L. recognized	78
Diruptor 230/400 VAC with 6 kA/AC short circuit capacity	HP
D.C. Diruptor : one pole rated 110/125 V DC or 2-poles 110/125 V DC per pole	DC
RANGE 7500	
Special adjustment for magnetic release	52
Changeover auxiliary contact	53
Power contacts delivered with shunt	55
RANGE 7000 / RANGE 7500	
Reinforced tropicalization	10
Without lock	40
Individual checking for shocks	41
Magnetic release only "all or nothing"	45
Individual checking (with tests report)	46
Change of temperature class (adjustment at 60° C)	58
Rated current marked on base (beside screw for adjustment)	65
Rated current marked on push-button "ON" : - Trip button off at the BOTTOM	67
Rated current marked on push-button "ON" : - Trip button off at the TOP	68
TRACTION : technical data from NF F 62-001	
One pole rated 72 V DC max. nominal (90V test) 230 V AC or multipole 400 V AC	80
One pole rated 110 V DC max. nominal (137V test) 230 V AC or multipole 400 V AC	90

A NUMBER OF POLES

ONE POLE (range 71)

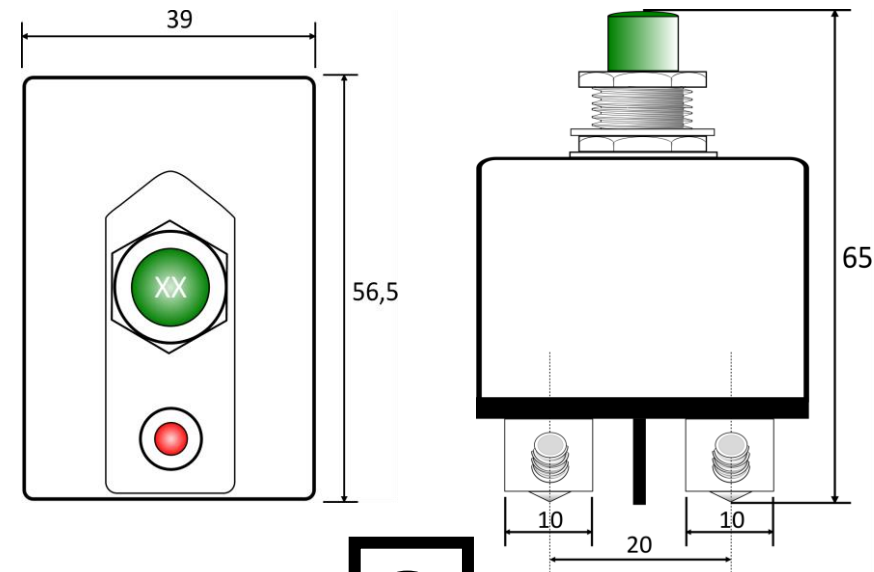
DC
AC single-phase



1

TWO POLES (range 72)

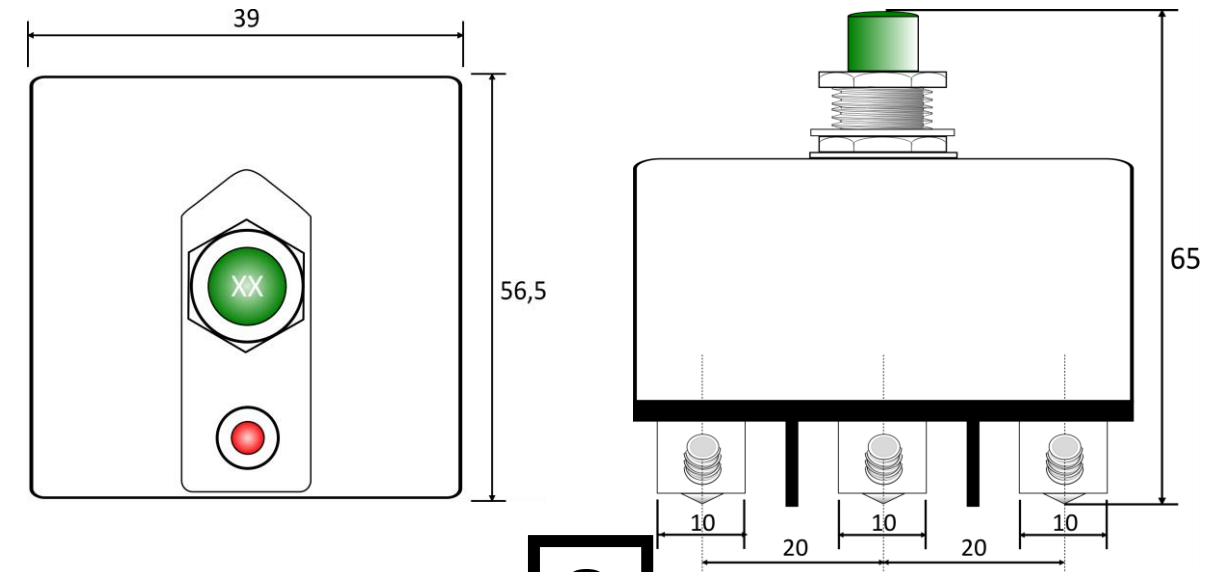
AC single-phase
(phase + neutral)



2

THREE POLES (range 73)

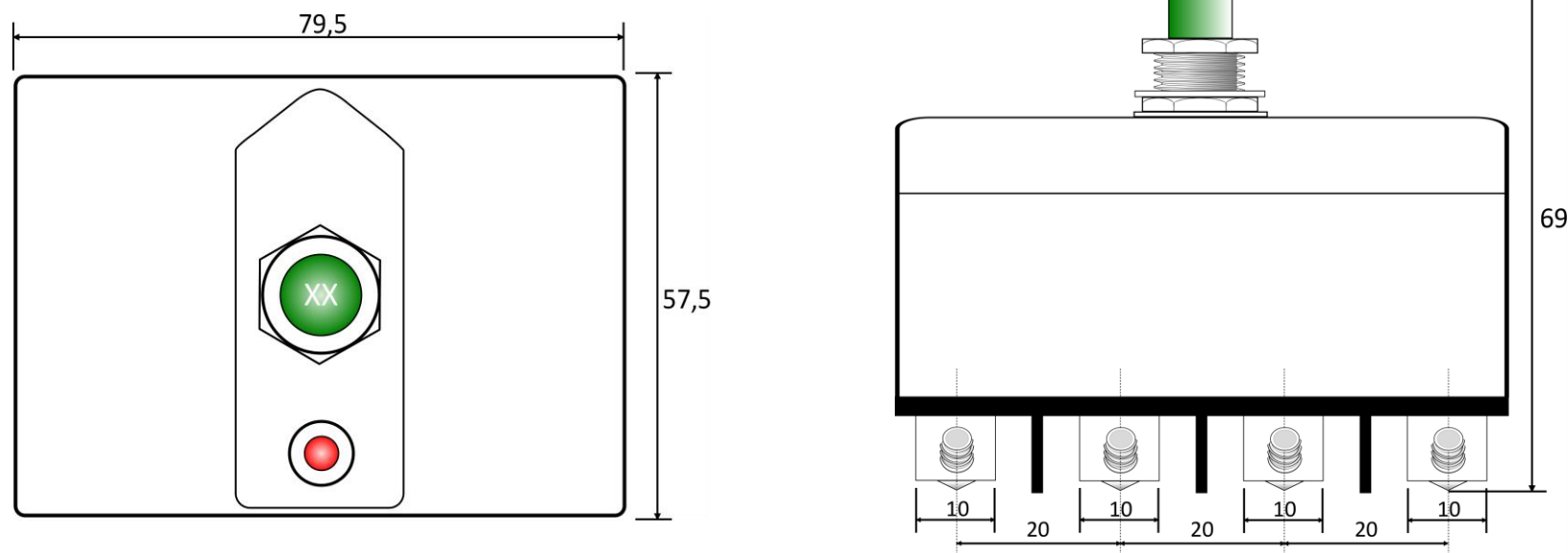
AC three-phase



3

FOUR POLES (range 74)

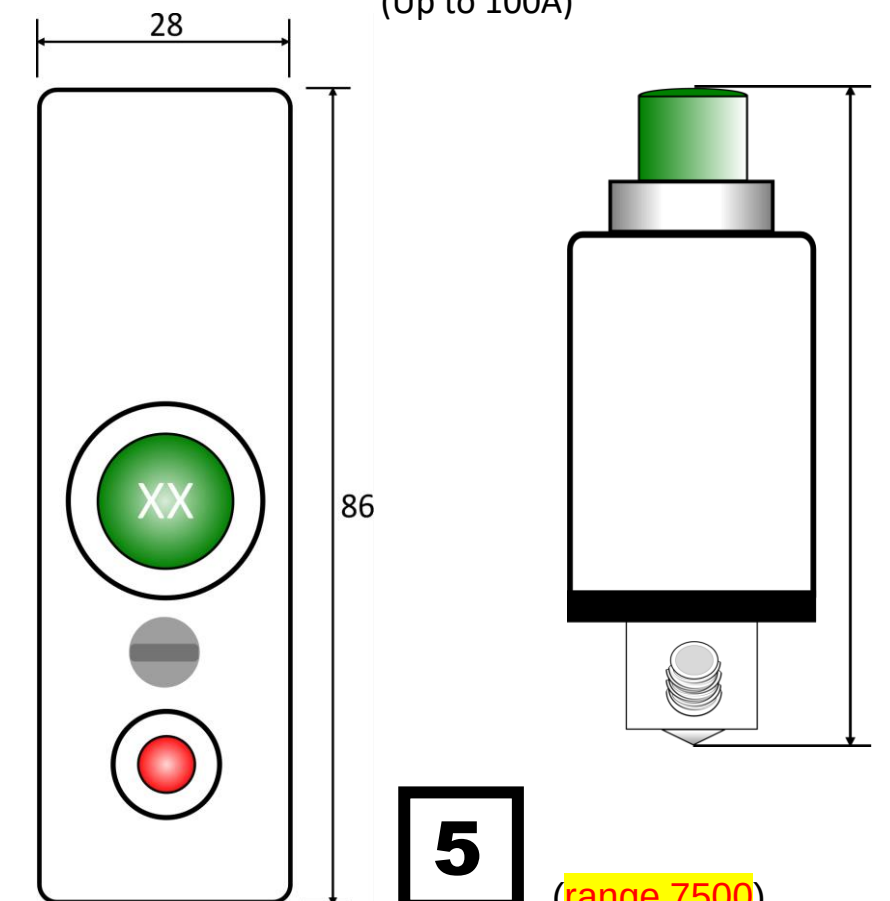
AC three-phase + neutral



4

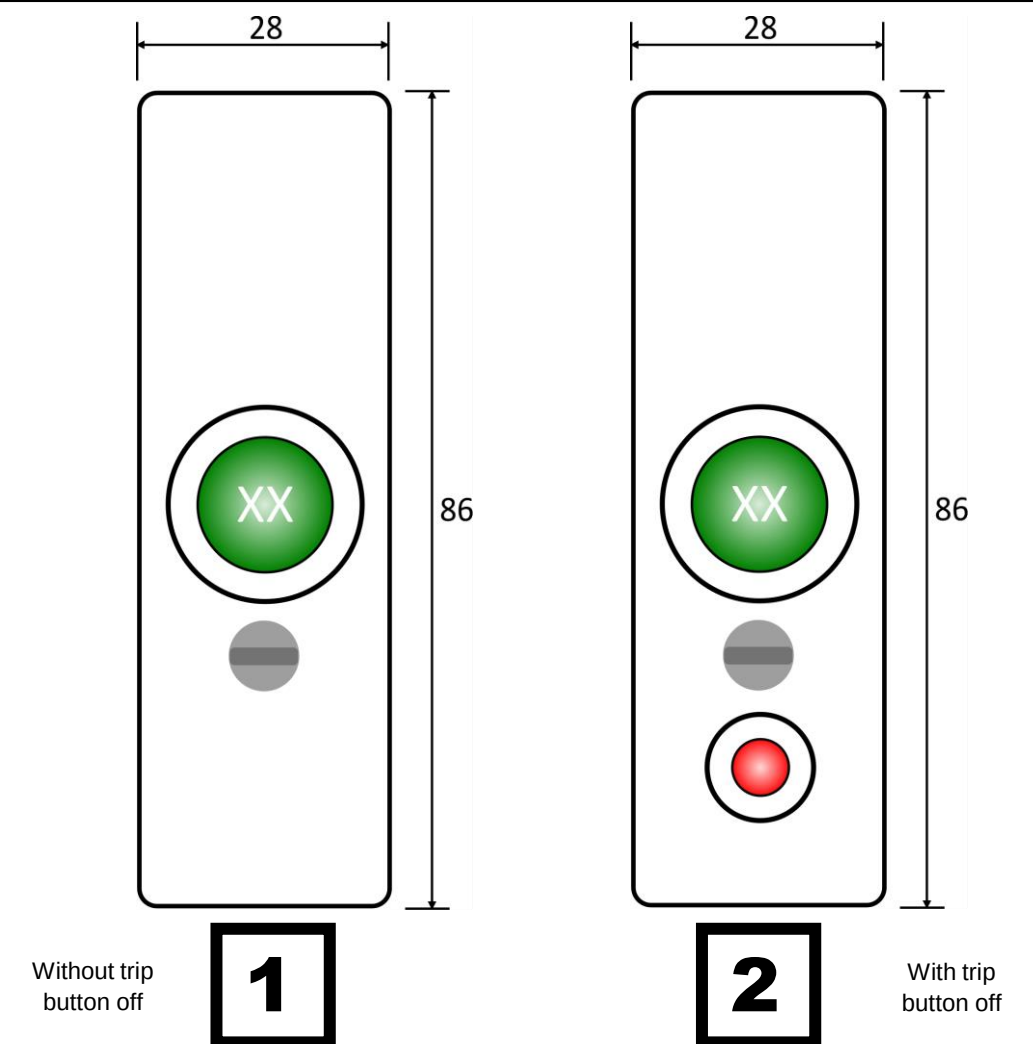
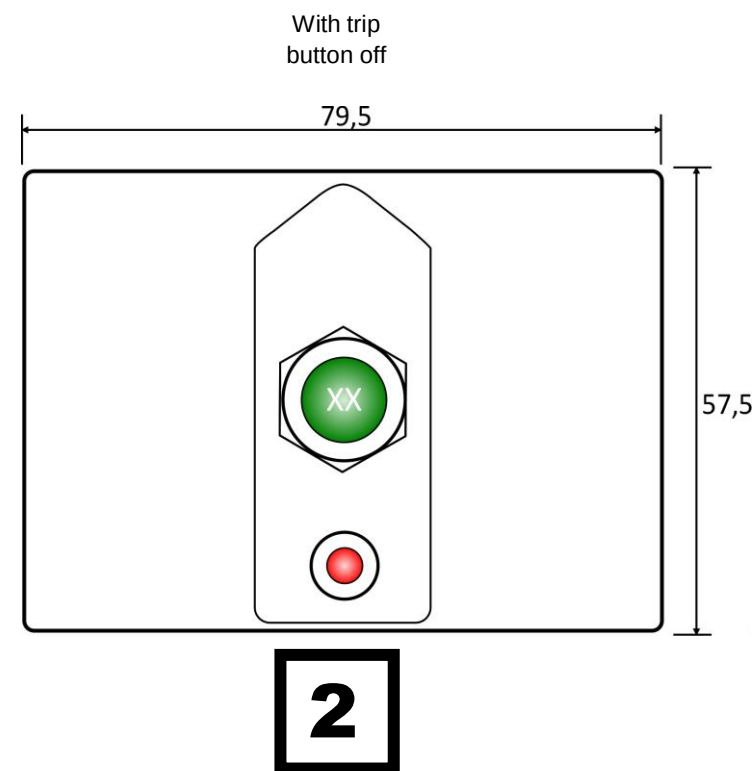
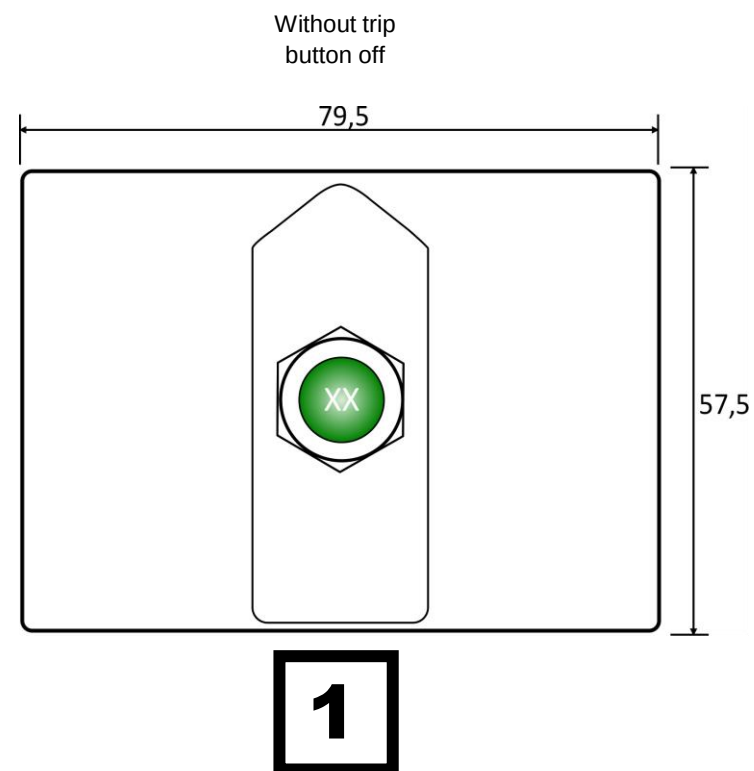
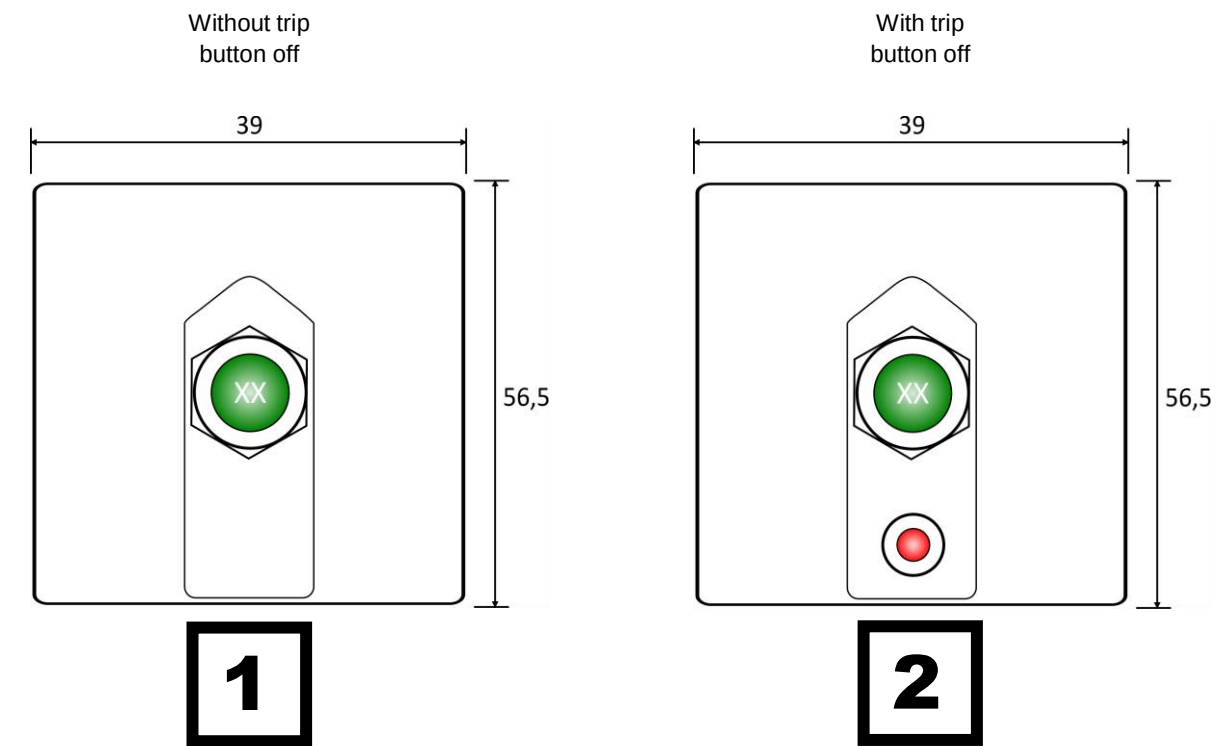
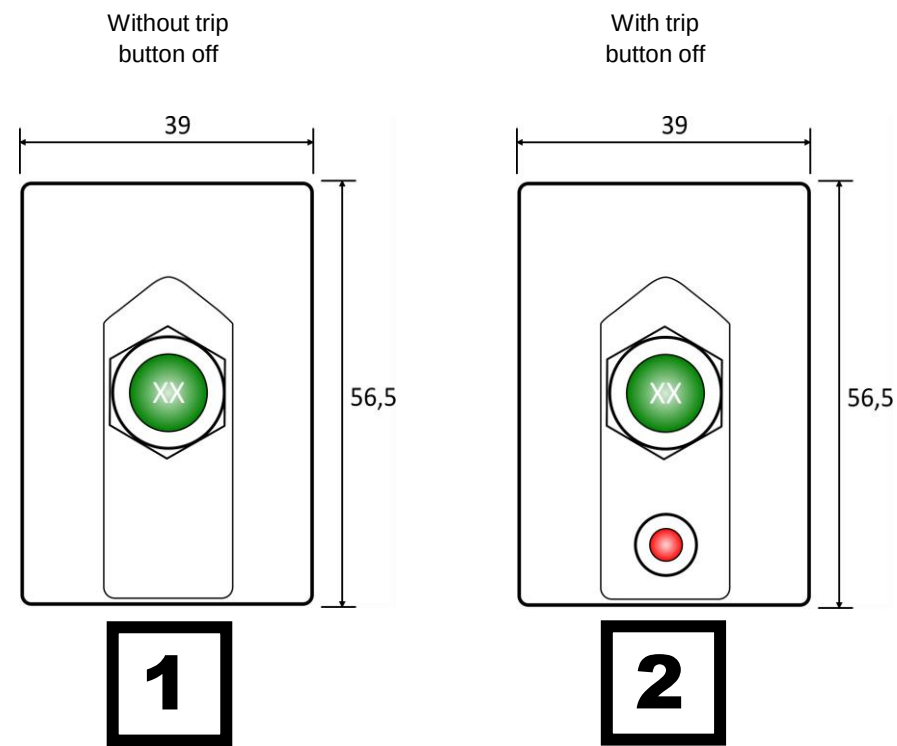
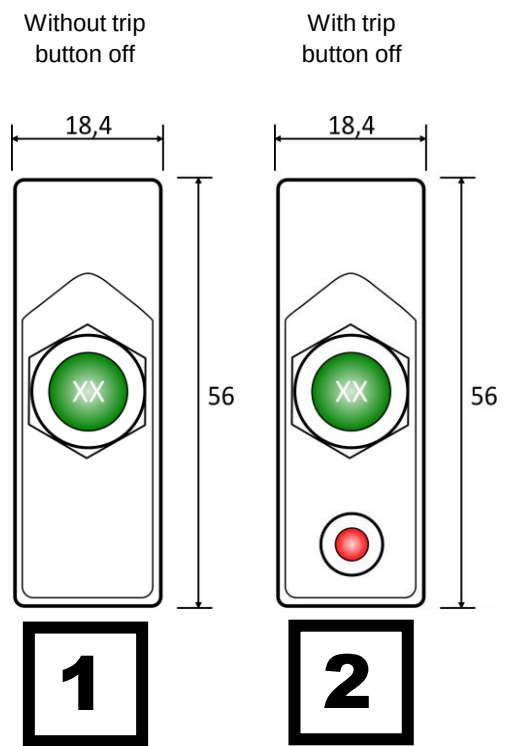
ONE POLE (range 75)

DC
(Up to 100A)



5

(range 7500)



C MOUNTING

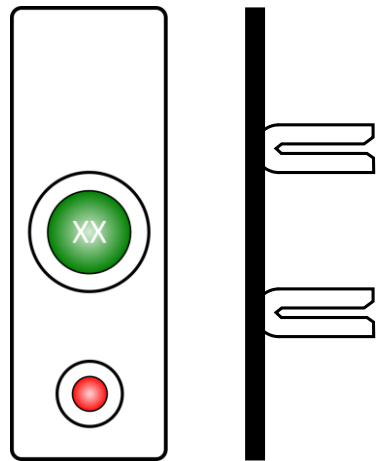
Plug-in

Flush mounting

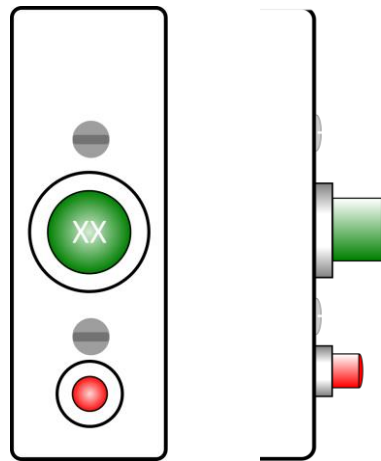
DIN rail

Without fixation

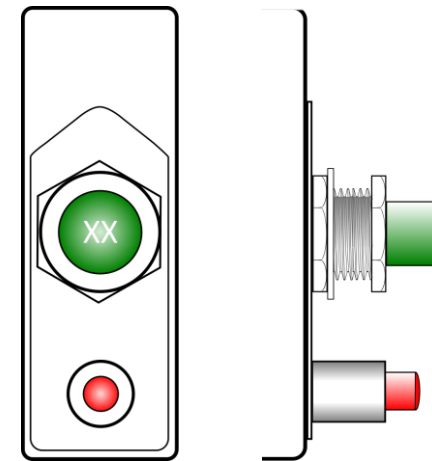
Print circuit



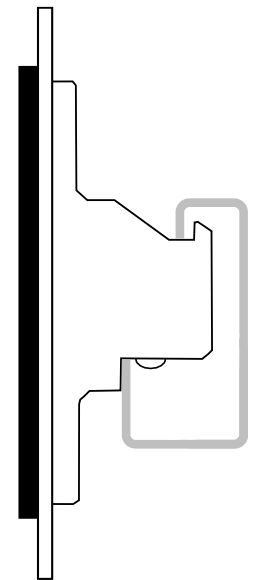
0



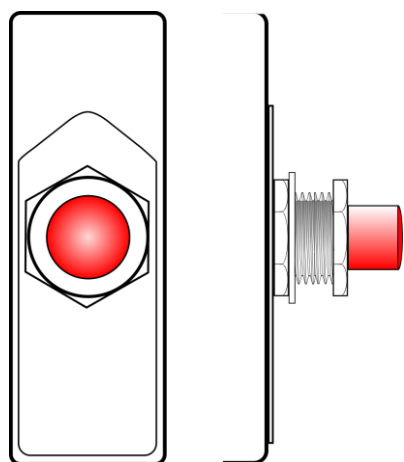
1



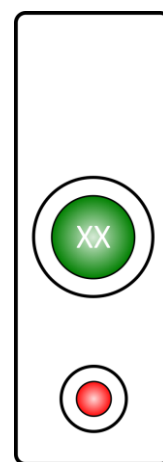
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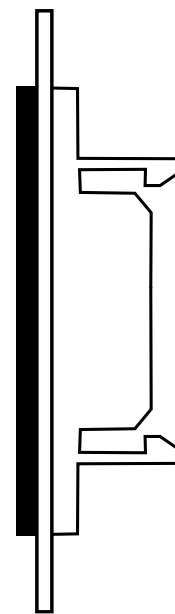
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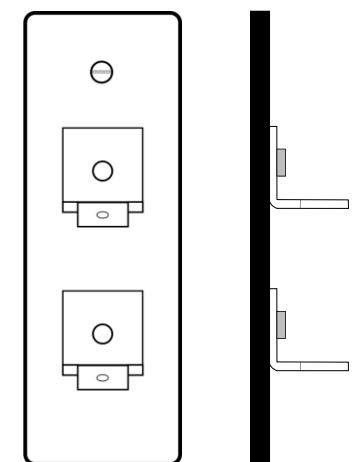
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6



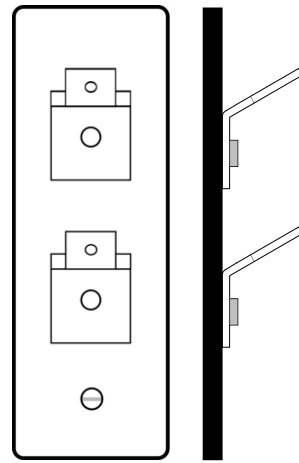
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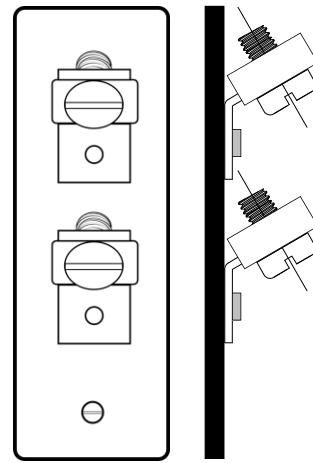
9

D CONNECTIONS (1/2)

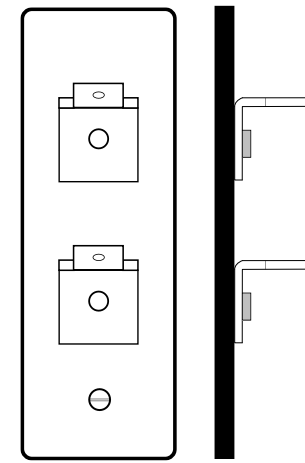
Flush mounting



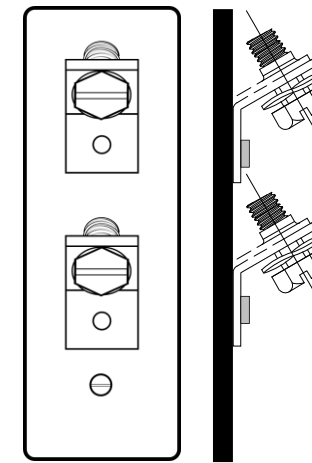
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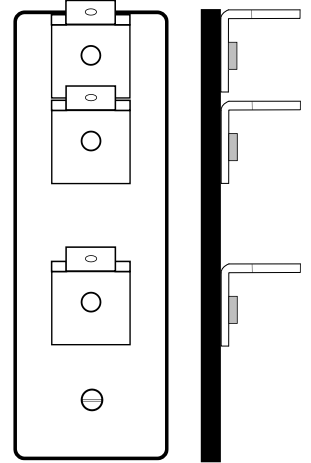
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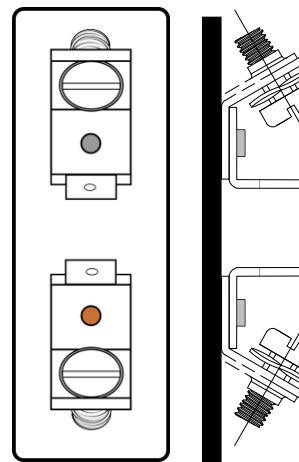
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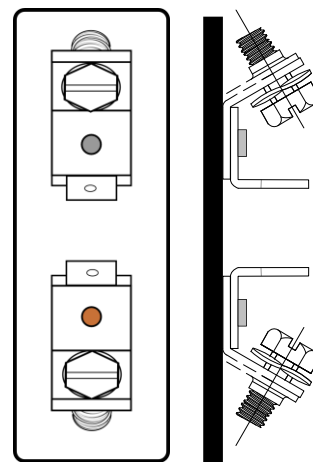
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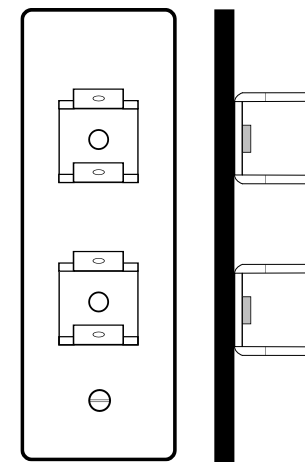
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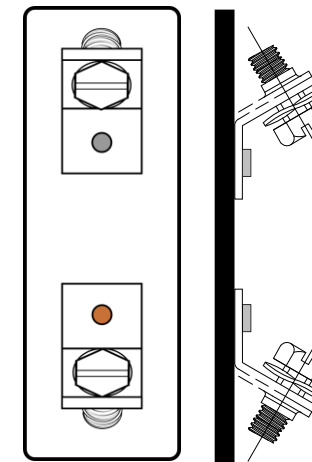
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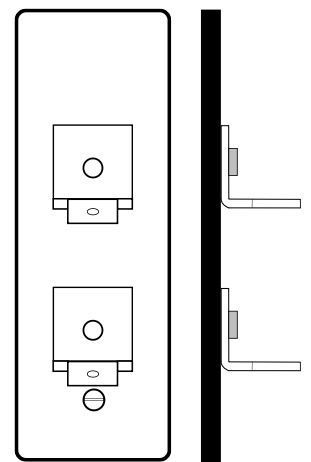
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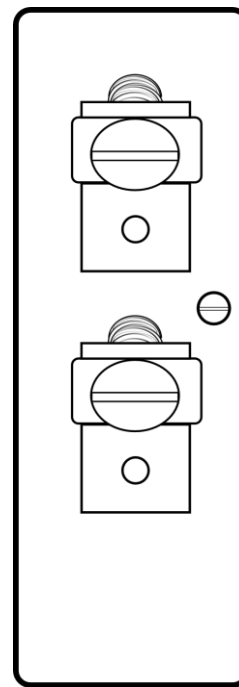
308



404

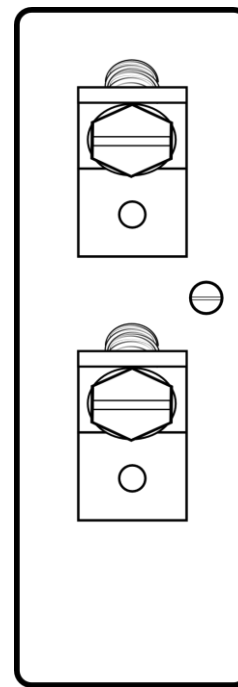


409



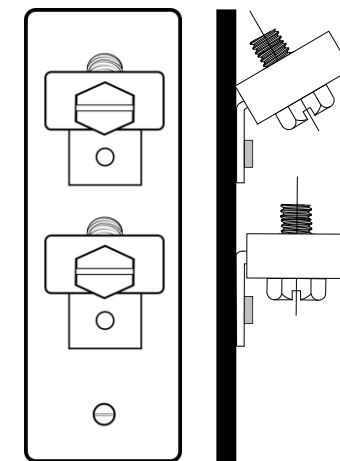
504

(range 7500)

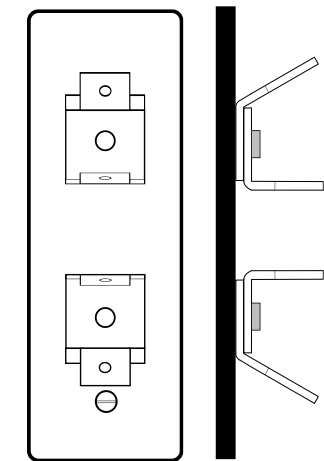


505

(range 7500)



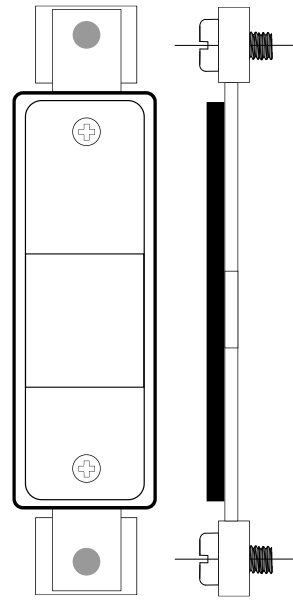
514



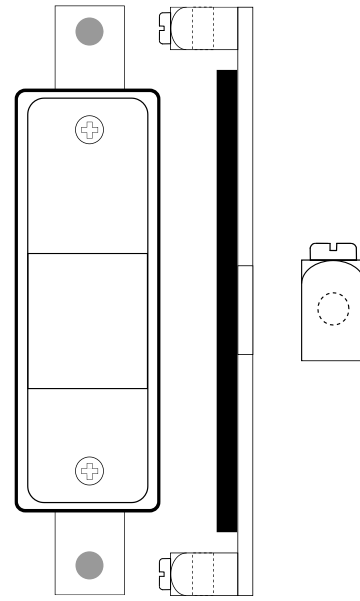
803

D CONNECTIONS (2/2)

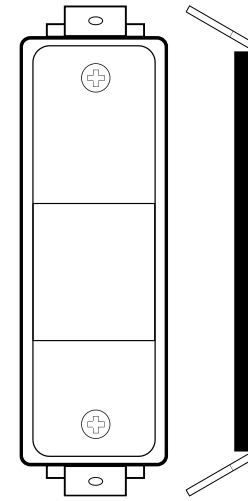
DIN rail



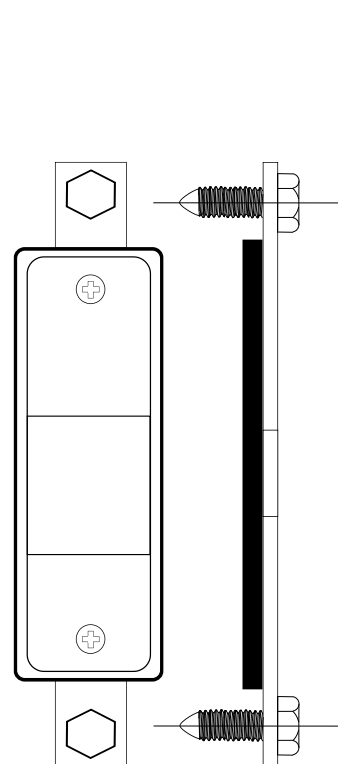
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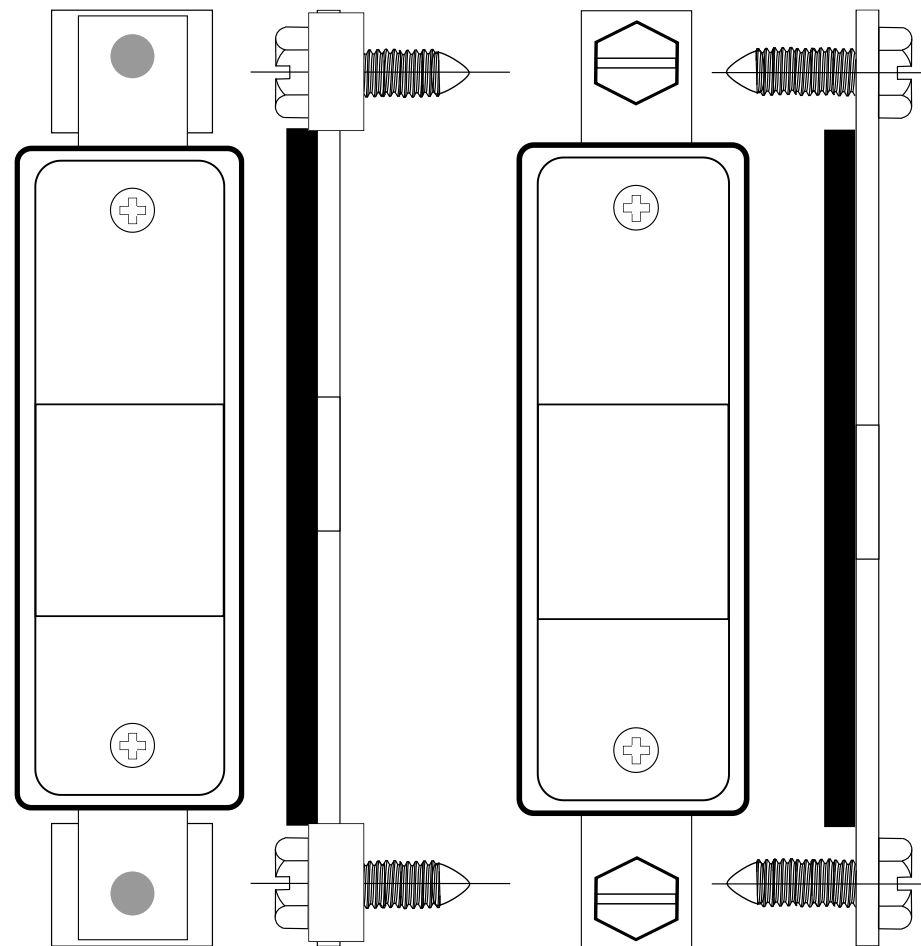
413



451

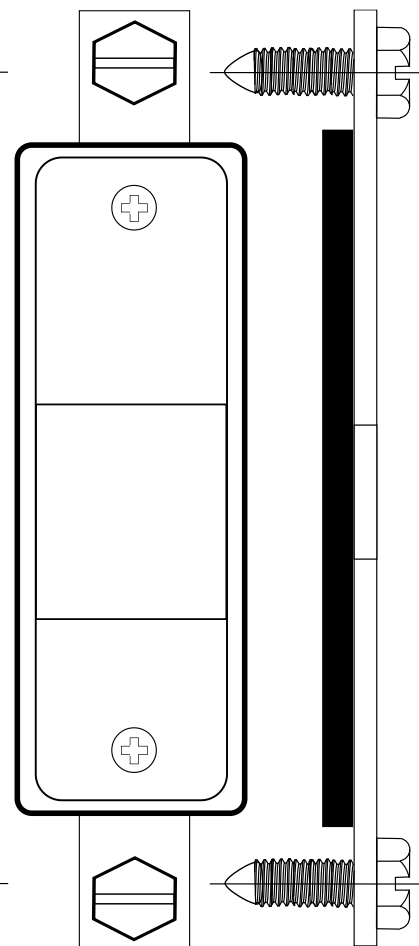


452



502

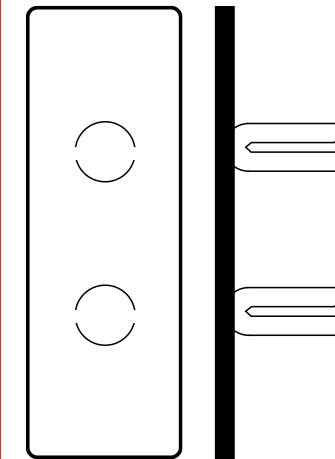
(range 7500)



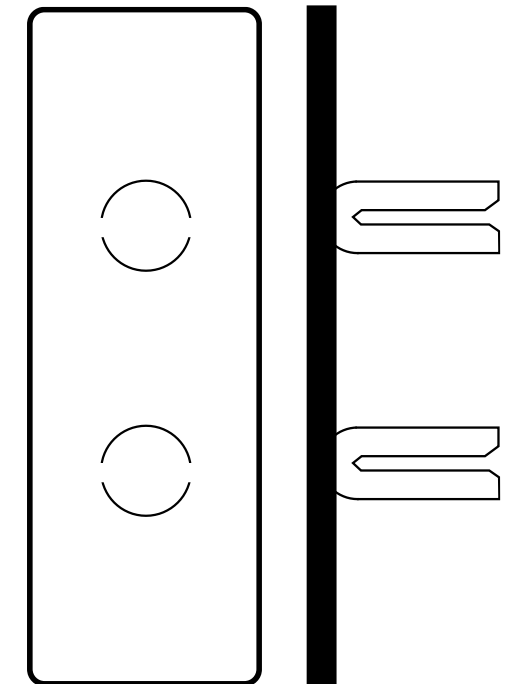
506

(range 7500)

Plug-in



707



708

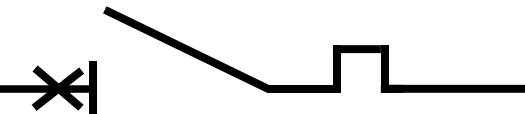
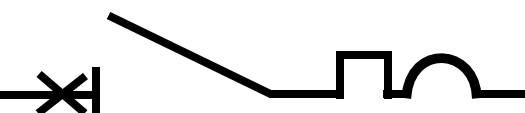
(range 7500)

STAY IN CONNECTION!

I CAN'T FIND THE TERMINAL
SUITABLE FOR MY PROJECT.
DO YOU HAVE OTHER
CHOICES?

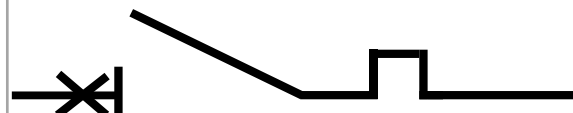
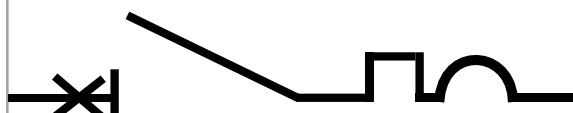
YES
WE CAN OFFER YOU
OTHER CONNECTIONS.

E RATED CURRENT

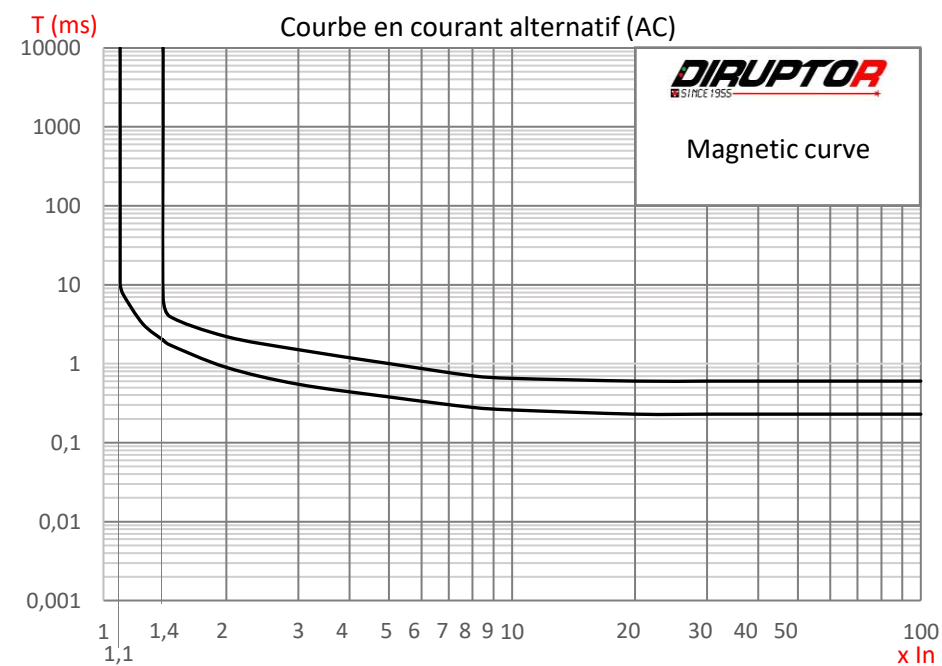
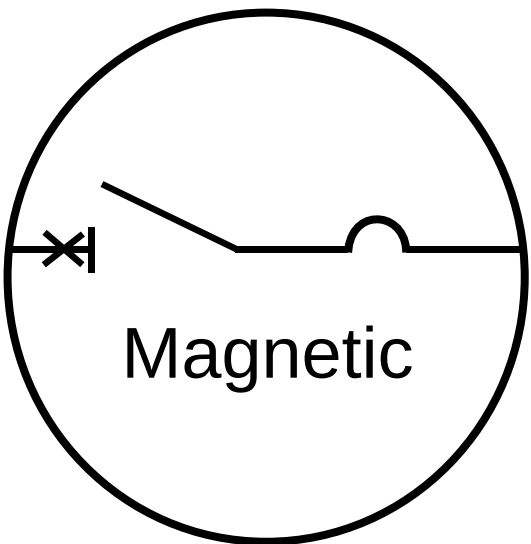
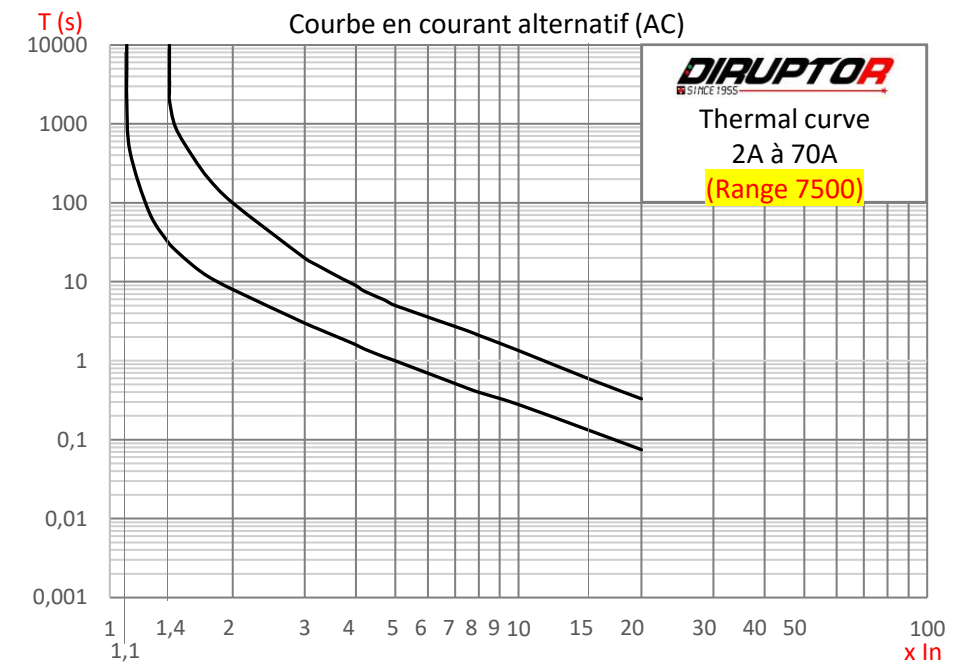
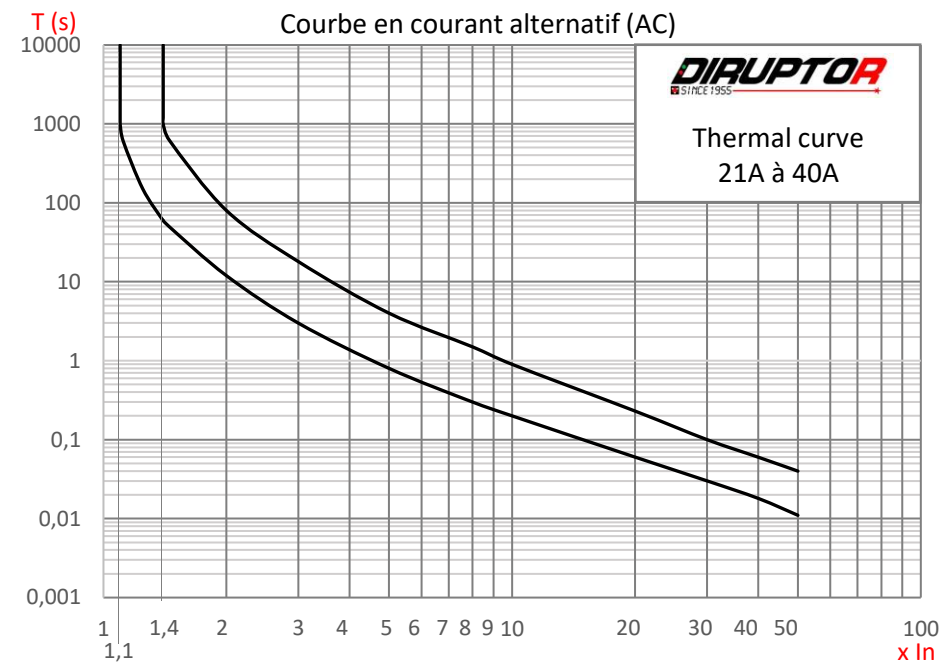
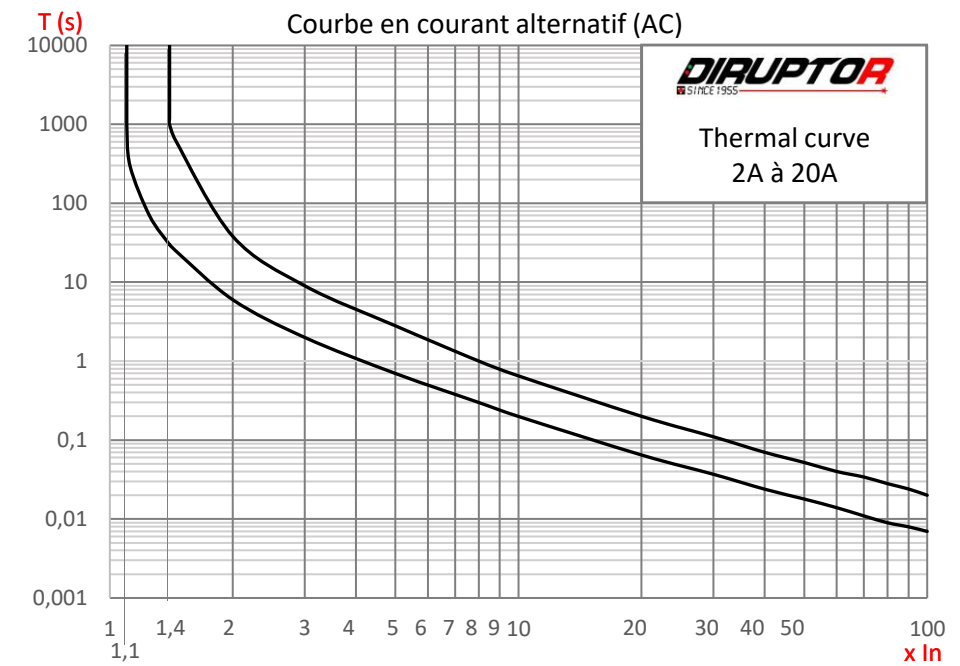
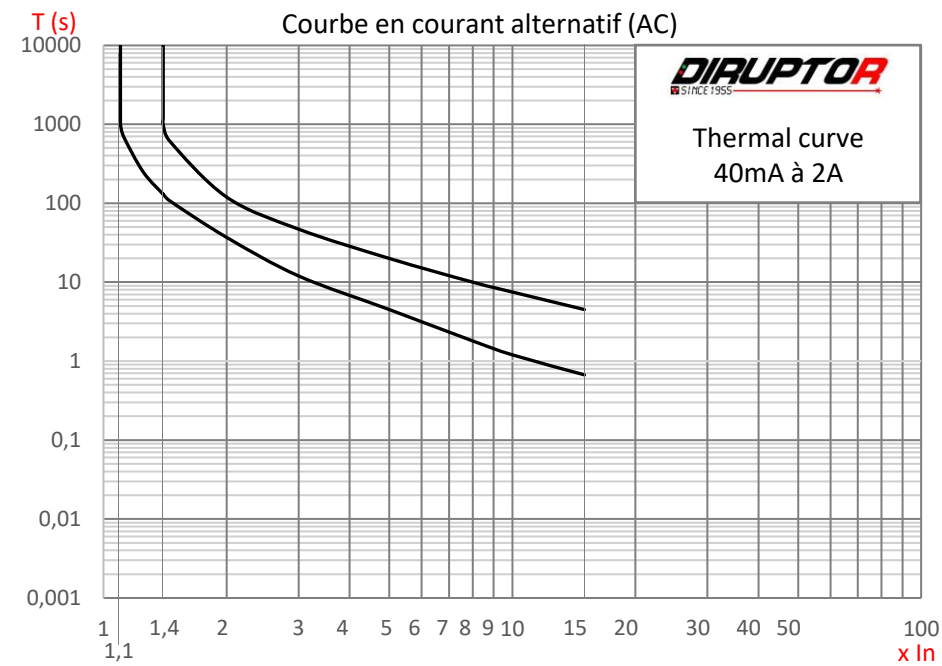
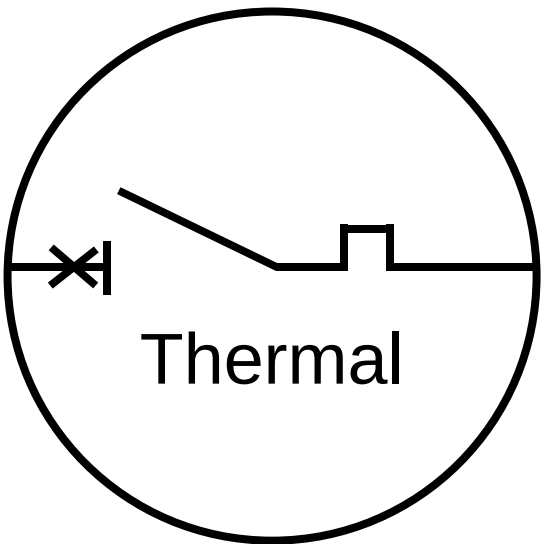
RANGE 7	1 pole	2 / 3 / 4 poles
 Thermal	0,04 - 40 A (1)	0,04 - 32 A (1)
 Thermal Magnetic NF F 62 001 EN 60934	0,10 - 40 A (1)	0,10 - 32 A (1)
 Magnetic (2)	14 A eff. 20 A AC max	14 A eff. 20 A AC max

(1) Plug-in (20A limitation)

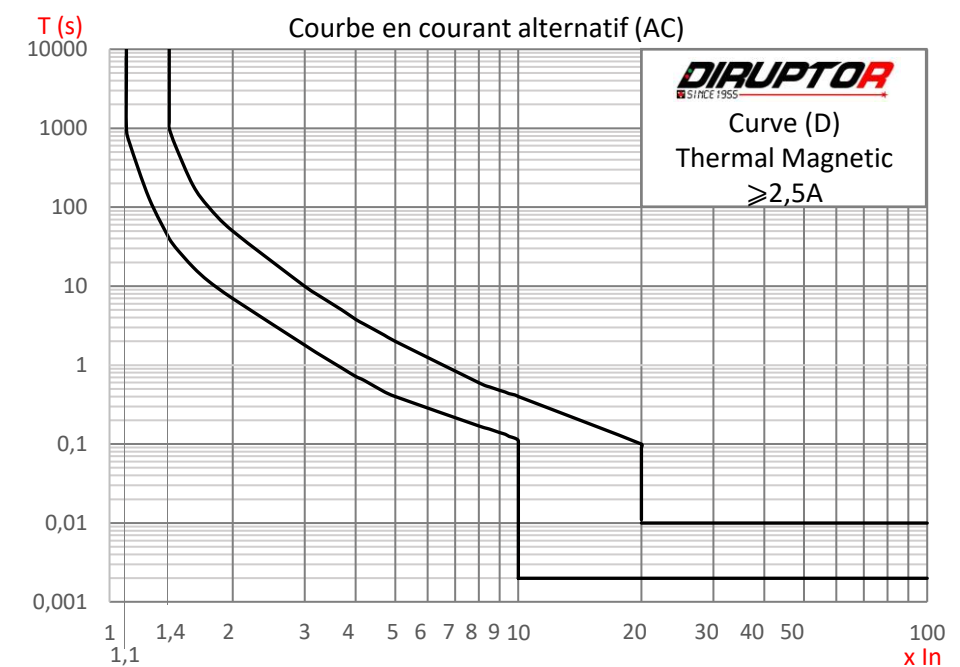
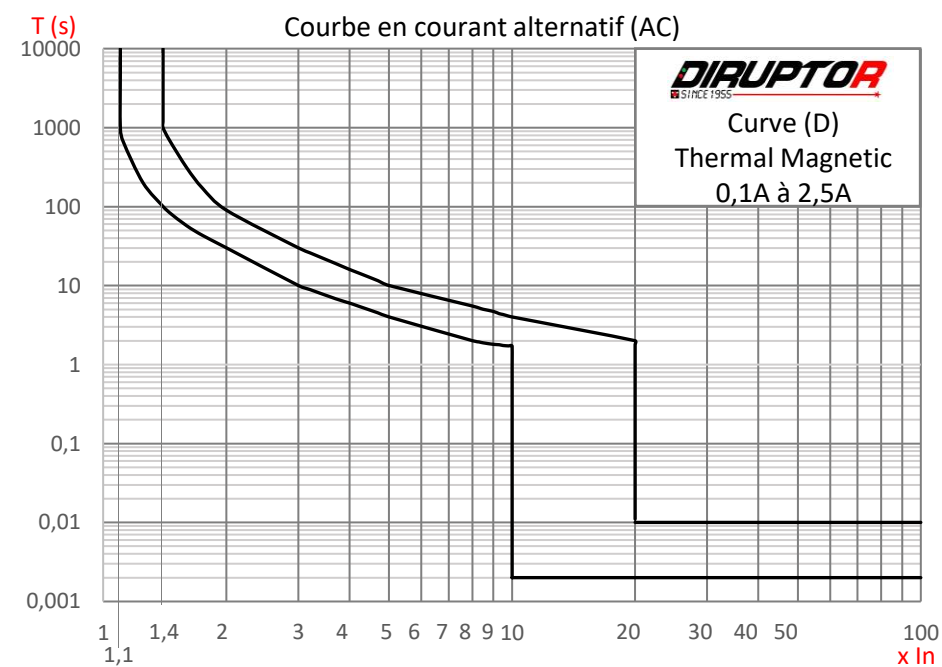
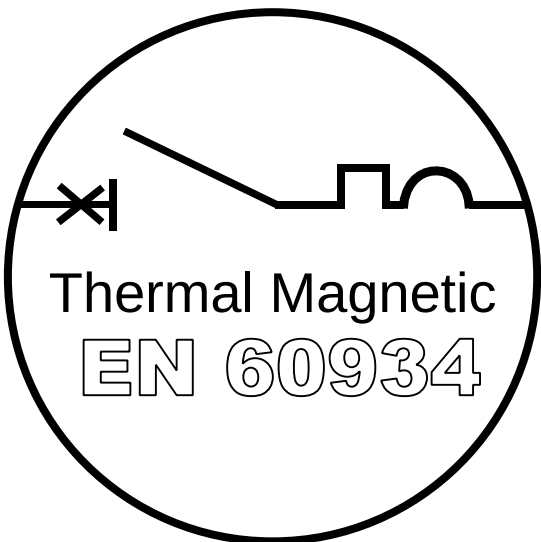
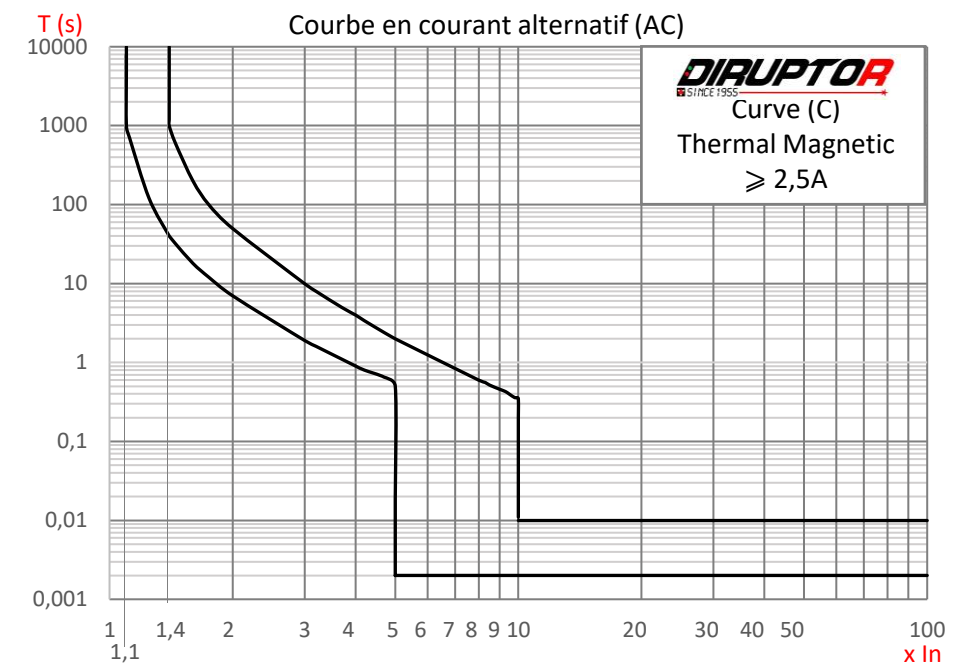
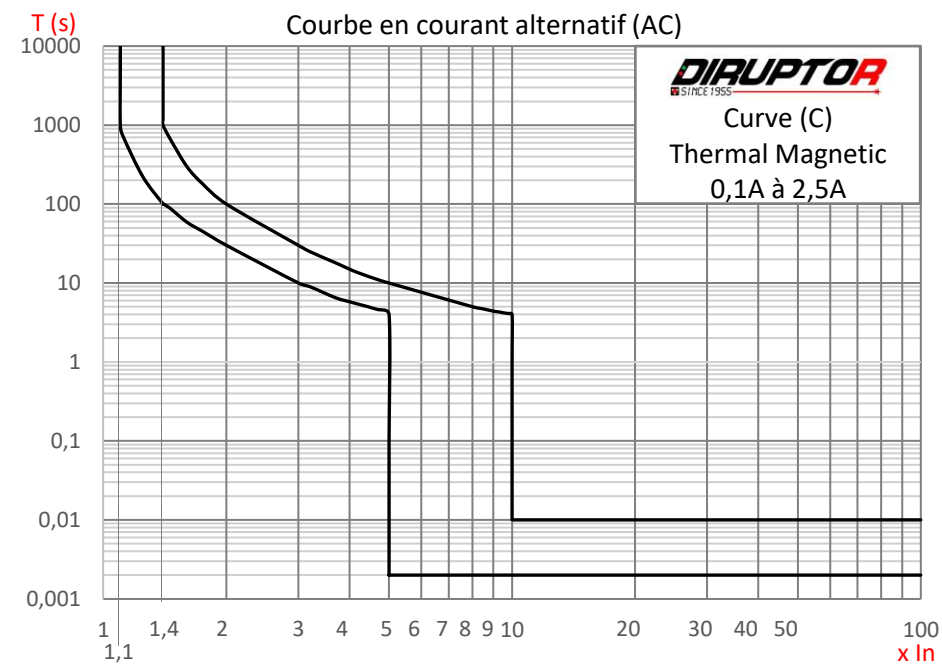
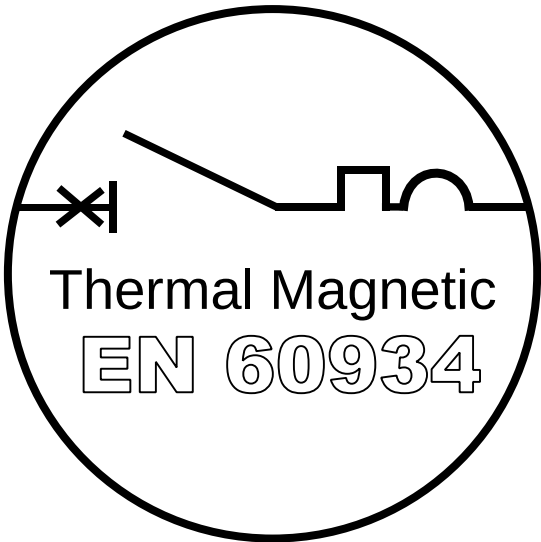
(2) 20 A AC = peak value

RANGE 7500	1 pole
 Thermal	2 - 100 A
 Thermal Magnetic NF F 62 001 EN 60934	2 - 70 A

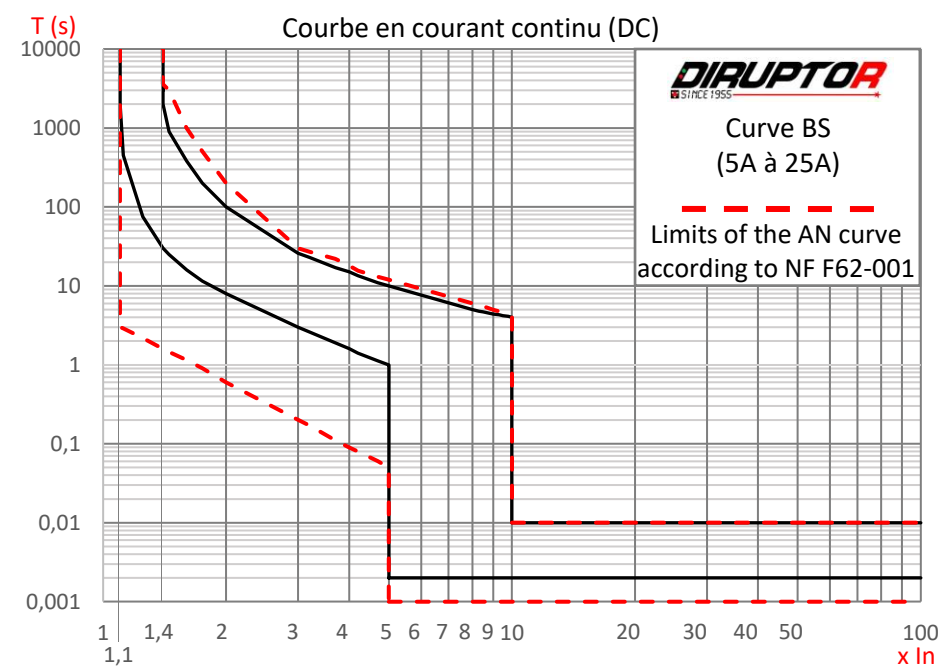
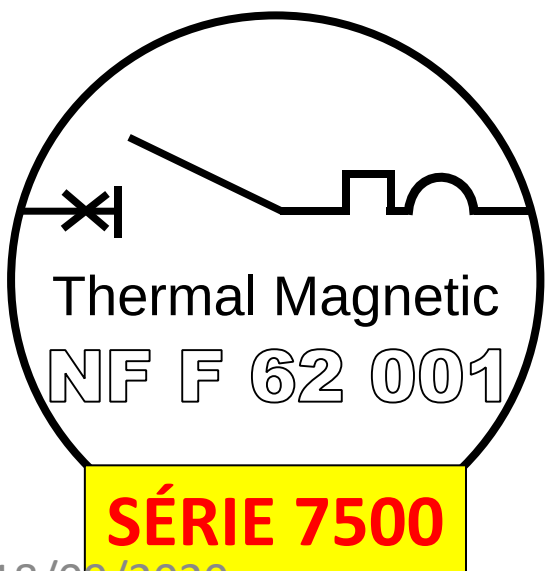
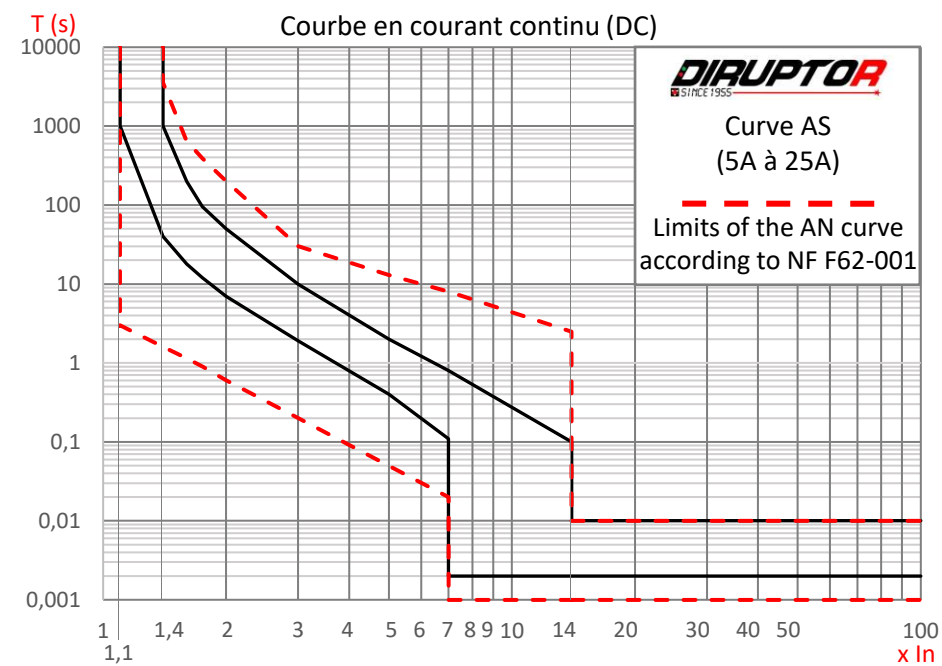
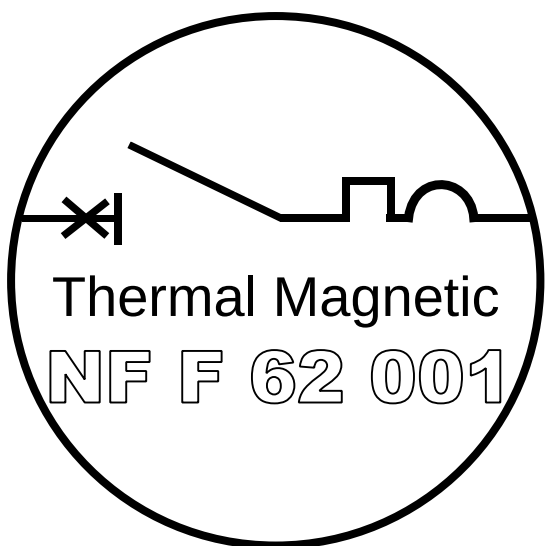
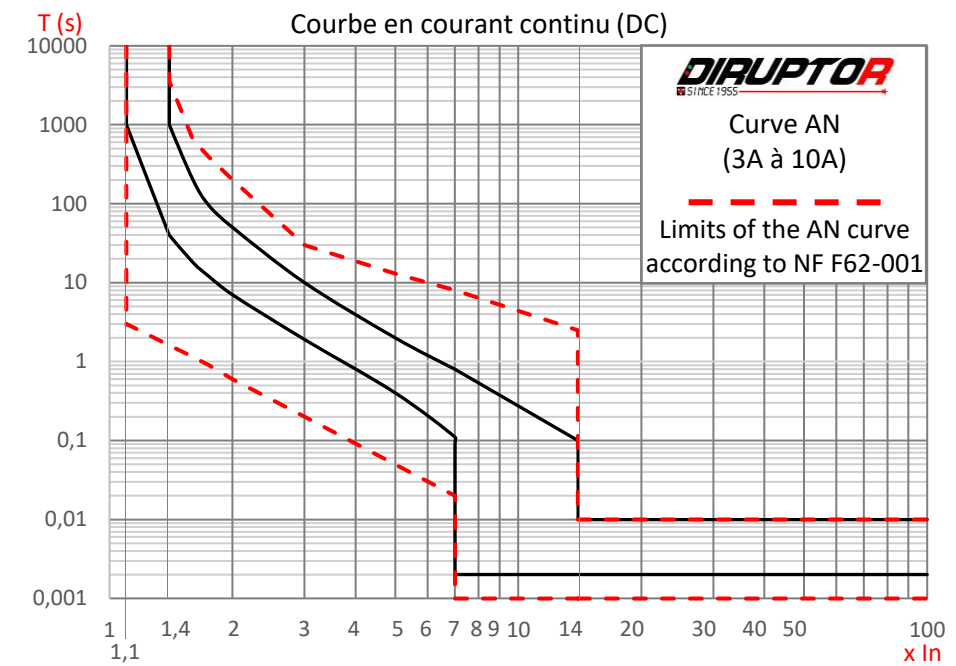
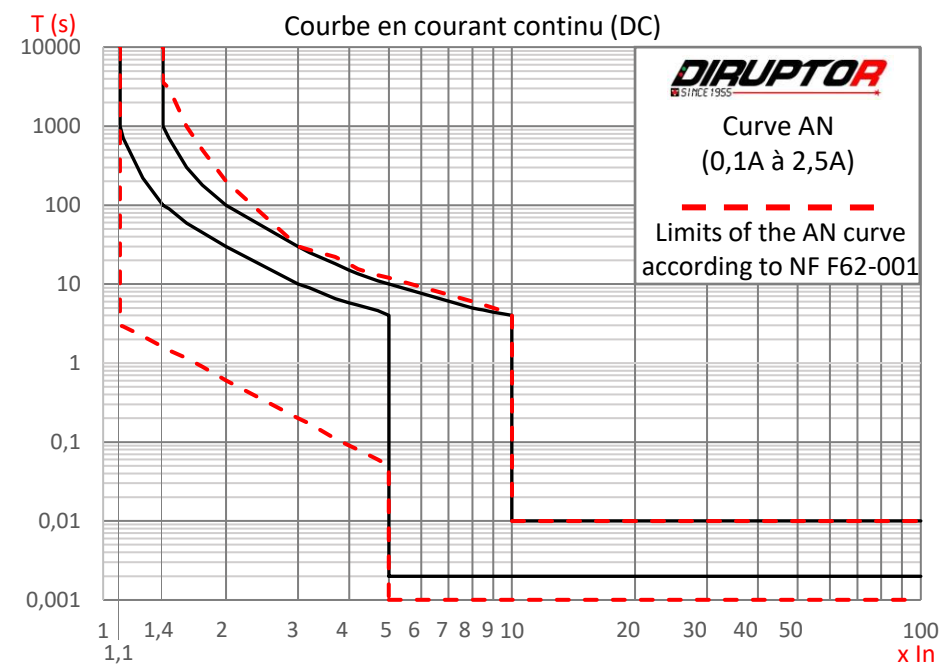
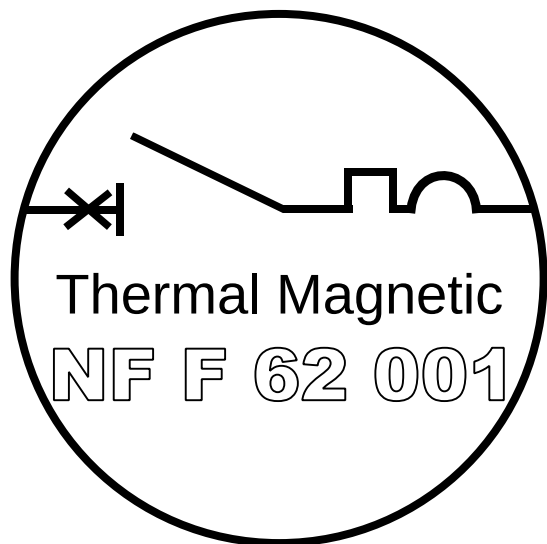
F CURVES (1/3)



F COURBES (2/3)



F COURBES (3/3)



Auxiliary contacts

Normally closed : NC (soldered connections)



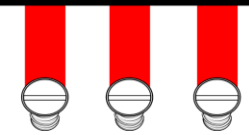
01

Normally open : NO (soldered connections)



02

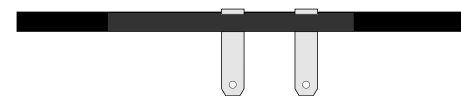
Changeover auxiliary contact



53

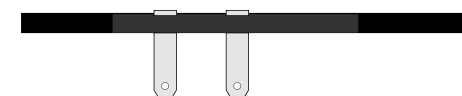
(range 7500)

Normally closed : NC (2,8 x 0,5 connections)



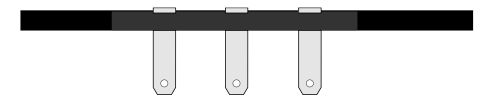
81

Normally open : NO (2,8 x 0,5 connections)



82

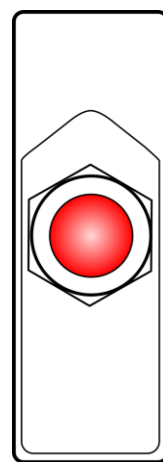
Changeover (2,8 x 0,5 - 3 connections)



84

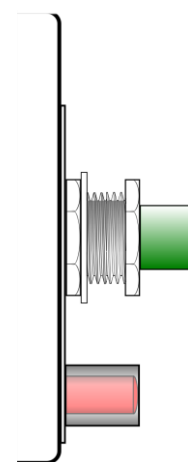
Boutons ON / OFF

Red pushbutton "ON"



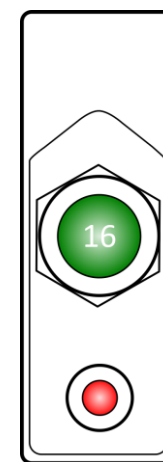
44

Trip button off flush mounting from threaded collar



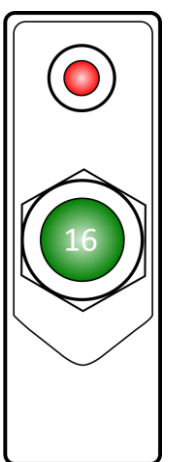
47

Rated current marked on push-button "ON" :
- Trip button off at the BOTTOM



67

Rated current marked on push-button "ON" :
- Trip button off at the TOP



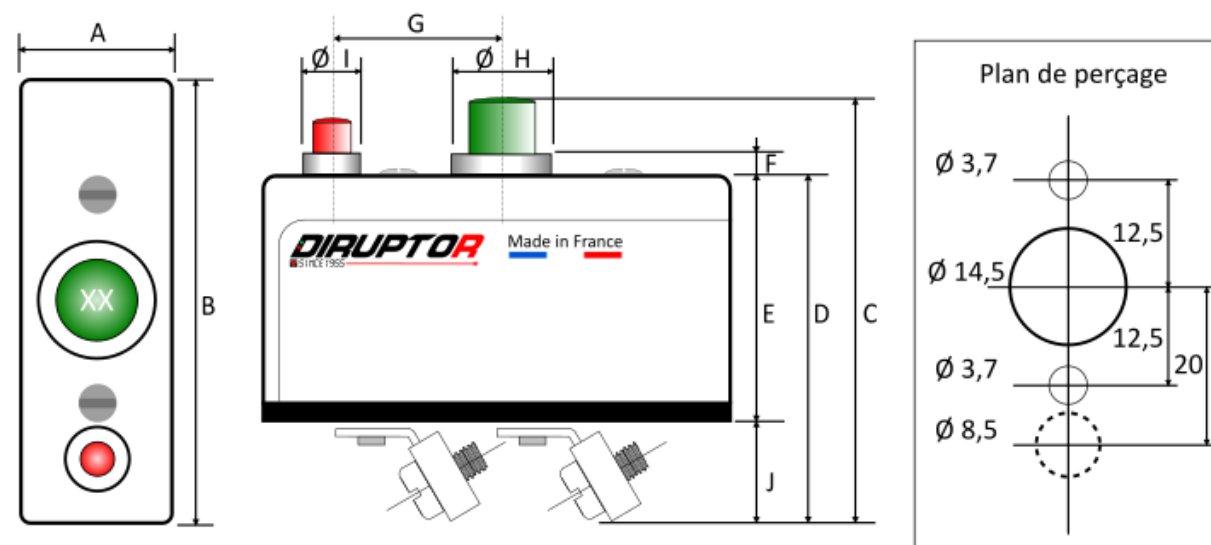
68

Flush mounting

1

Fixation par vis / Screw fixing

Série / Range 7 : (2 vis / screws 3,5x5)
Série / Range 7500 : (1 vis / 1 screw 5x5)

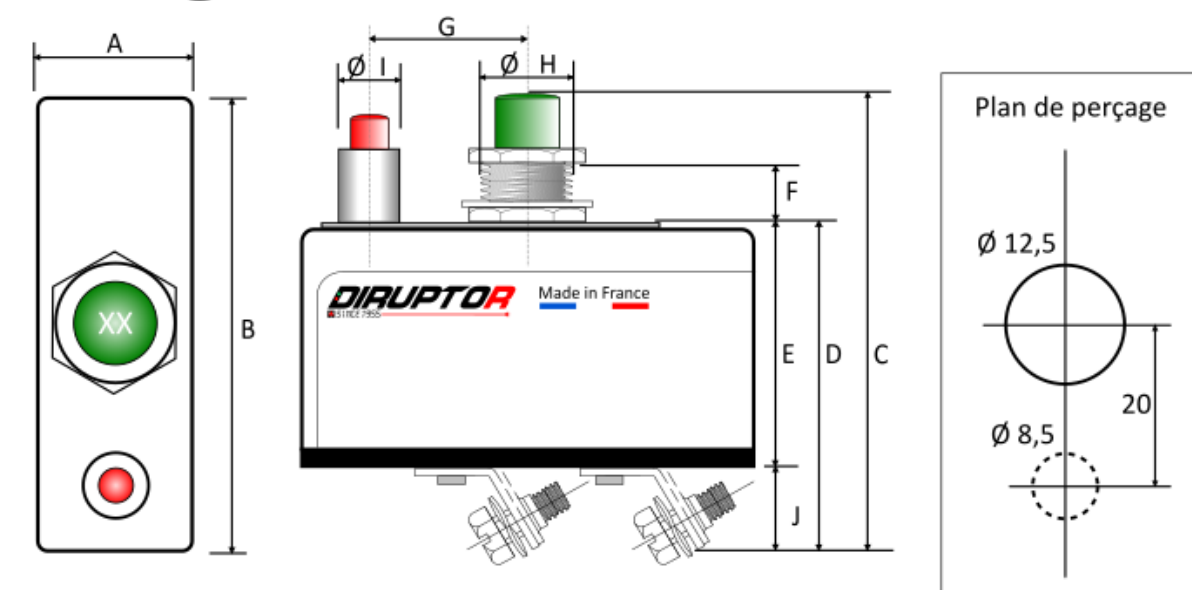


(1) Fixation par vis										
	A	B	C	D	E	F	G	H	I	J
1 pôle	18,4	56	50	40	30,5	2,5	20	14	8	9,5
2 pôles	39	56,5	58	48	37	4	20	14	8	11
3 pôles	59,5	56,5	58	48	37	4	20	14	8	11
Série 7500	28	86	78	61,5	46	5	27,5	19	11	16

Les cotes C et D sont à majorer de 6,5 mm pour 1 pôle (intensité nominale > ou = 25A) sauf série 7500
C and D to be increased by 6,5 mm for 1 pole (rated current > or = 25A) except range 7

2

Collerette fileté M12 / Threaded collar M12



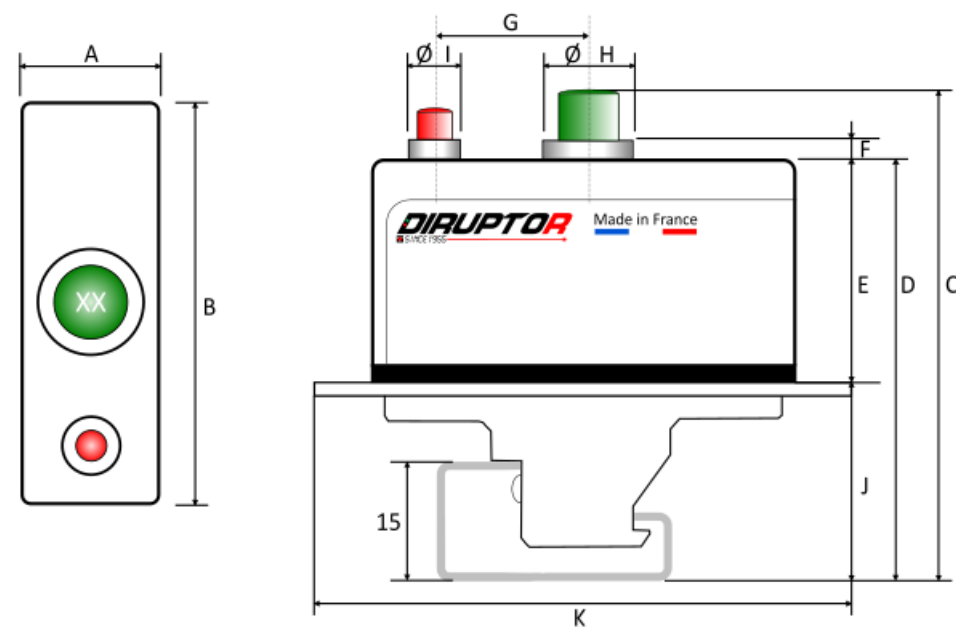
(2) Collerette fileté M12										
	A	B	C	D	E	F	G	H	I	J
1 pôle	18,4	56	58	43	33	5,5	20	12	8	9,5
2 pôles	39	56,5	65	50,5	39,5	5,5	20	12	8	11
3 pôles	59,5	56,5	65	50,5	39,5	5,5	20	12	8	11
4 pôles	79,5	57,5	69	53,5	42,5	5,5	20	12	8	11

Les cotes C et D sont à majorer de 6,5 mm pour 1 pôle (intensité nominale > ou = 25A)
C and D to be increased by 6,5 mm for 1 pole (rated current > or = 25A)

Snap on DIN rail

3

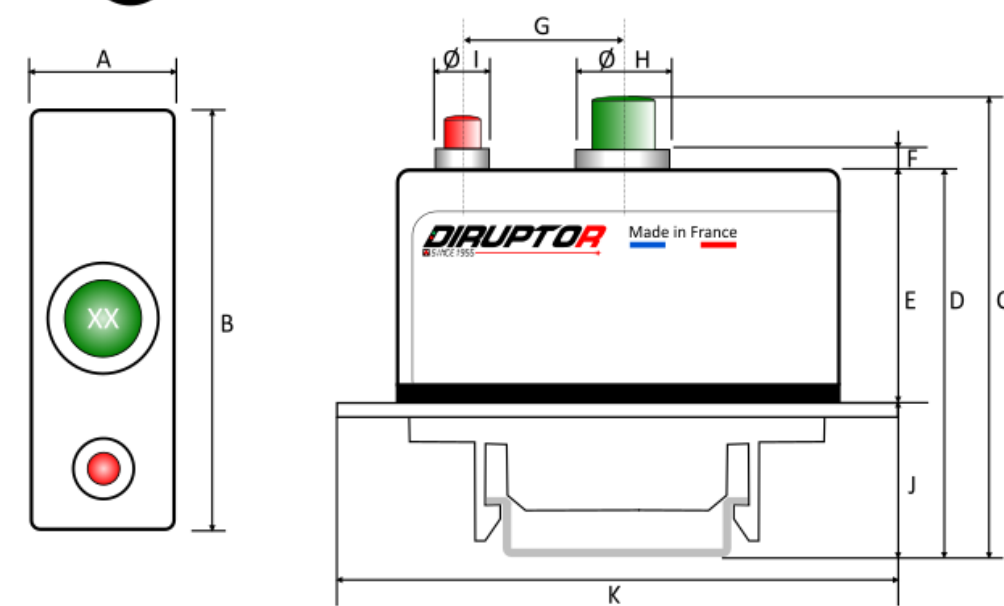
Rail DIN asymétrique (32 mm)
Asymmetrical DIN rail (32 mm)



(3) Fixation rail DIN ASYMÉTRIQUE											
	A	B	C	D	E	F	G	H	I	J	K
1 pôle	18,4	56	65	56	30,5	2,5	20	14	8	26	77
2 pôles	39	56,5	73	62	36,5	4	20	14	8	26	77
3 pôles	59,5	56,5	73	62,5	36,5	4	20	14	8	26	77
4 pôles	79,5	57,5	76	66	40,5	4	20	14	8	26	77
Série 7500	28	86	89	72	46	5	27,5	19	11	26	118

7

Rail DIN symétrique (35 mm)
Symmetrical DIN rail (35 mm)



(7) Fixation rail DIN SYMÉTRIQUE											
	A	B	C	D	E	F	G	H	I	J	K
1 pôle	18,4	56	58	49	30,5	2,5	20	14	8	19,5	77
2 pôles	39	56,5	66	55,5	36,5	4	20	14	8	19,5	77
3 pôles	59,5	56,5	66	55,5	36,5	4	20	14	8	19,5	77
4 pôles	79,5	57,5	69	59	40,5	4	20	14	8	19,5	77

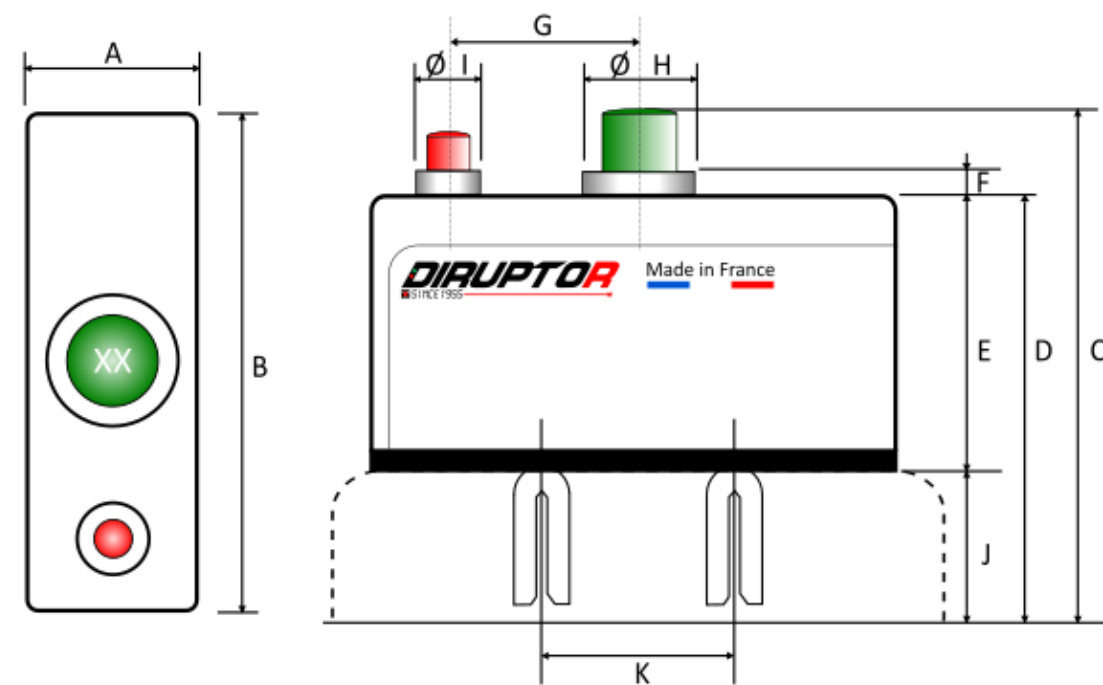
Plug in

0

Broches / Pins ($\varnothing$ 7 mm)

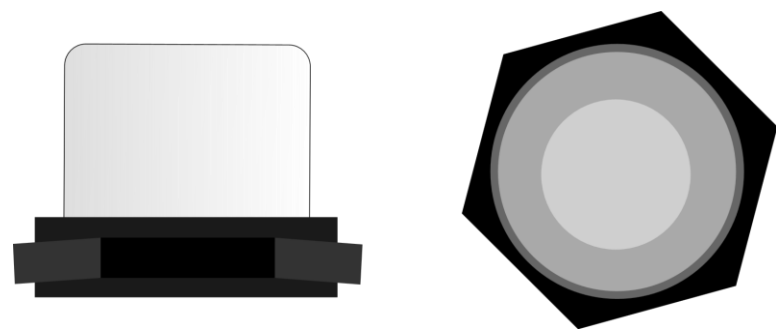
9

Languettes / Fast connections (6,35 x 0,8)



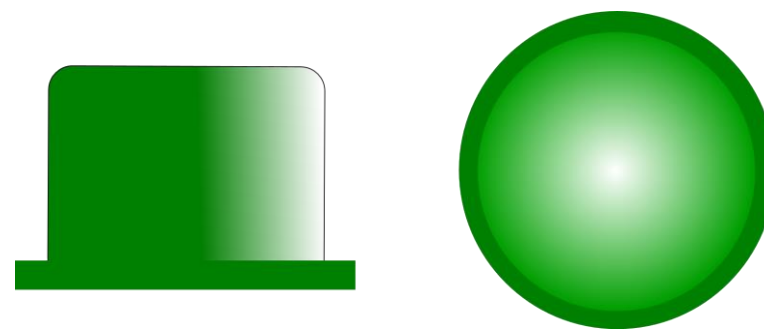
(0) Broches (7mm) & (9) Languettes (6,35x0,8)											
	A	B	C	D	E	F	G	H	I	J	K
1 pôle	18,4	56	58,5	49	30,5	2,5	20	14	8	15	20
2 pôles	39	56,5	66	55,5	36,5	4	20	14	8	15	20
3 pôles	59,5	56,5	65	55,5	36,5	4	20	14	8	15	20
4 pôles	79,5	57,5	69,5	59,5	40,5	4	20	14	8	15	20

ACCESSORIES



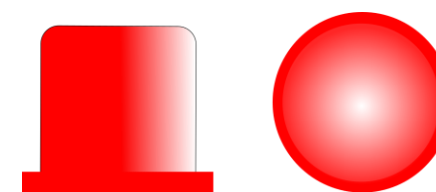
79001

Transparent sealing cap.
Incorporated nut. Seal type 12 - 22.



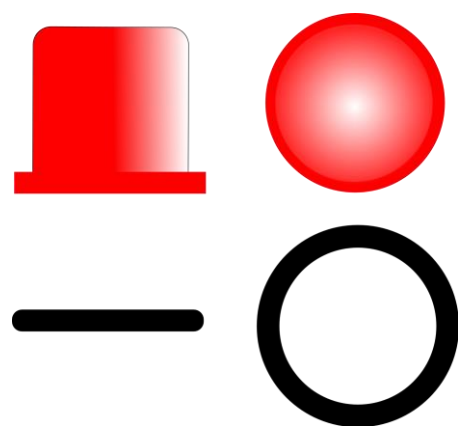
79003

Green hypalon sealing cap
for type 11 - 21.



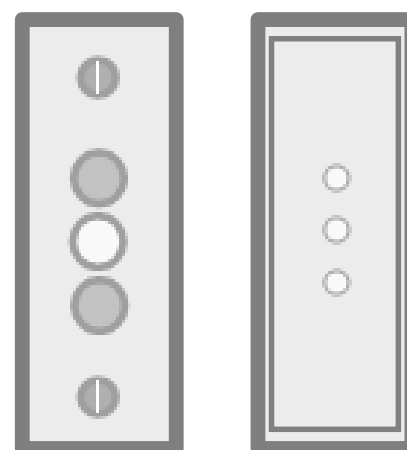
79004

Red hypalon sealing cap
for type 21.



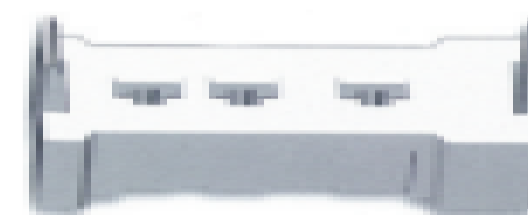
79005

Red hypalon sealing cap
+ raising joints for type 22.



79102

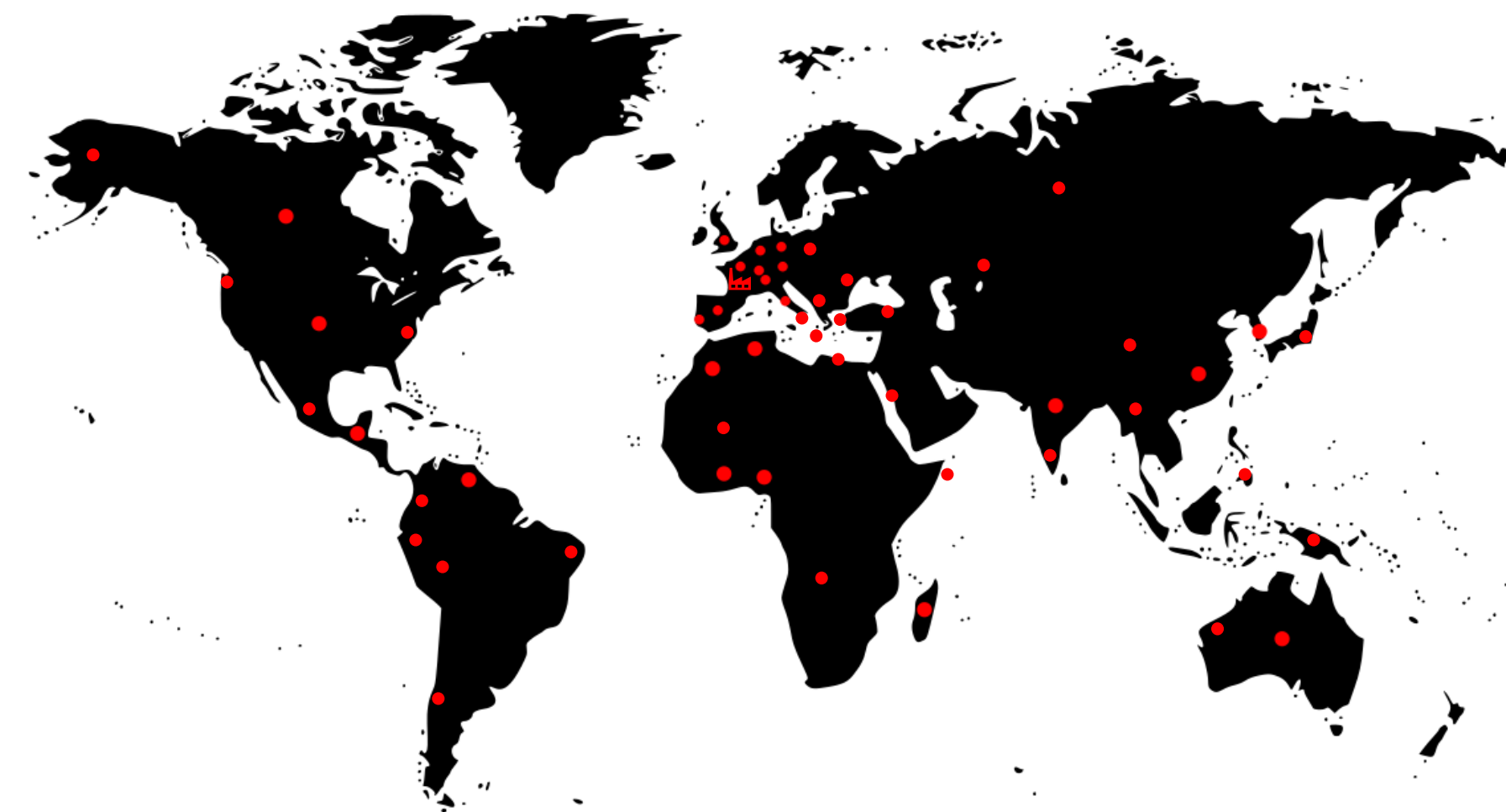
Short single pole base for type 10 - 20.



79130

Printed circuit base for MICRO circuit breaker.

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Reading the label

