

# M21 Switch fuses base mounting 3P - 3P+N

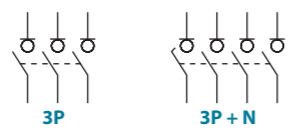
**Size 1**

**A** 160|200|250

NH 0 BS A4  
BS B1 BS B2



	CODE-160A	CODE-160A	CODE-200A	CODE-250A
<b>3P</b>	M2101603PSD00	M2101603PSB10	M2102003PSB20	M2102503PSB20
<b>3P+N</b>	M2101603NSD00	M2101603NSB10	M2102003NSB20	M2102503NSB20
<b>Fuses</b>	NH 0	BS A4	BS B1-BS B2	BS B1-BS B2



### Accessories

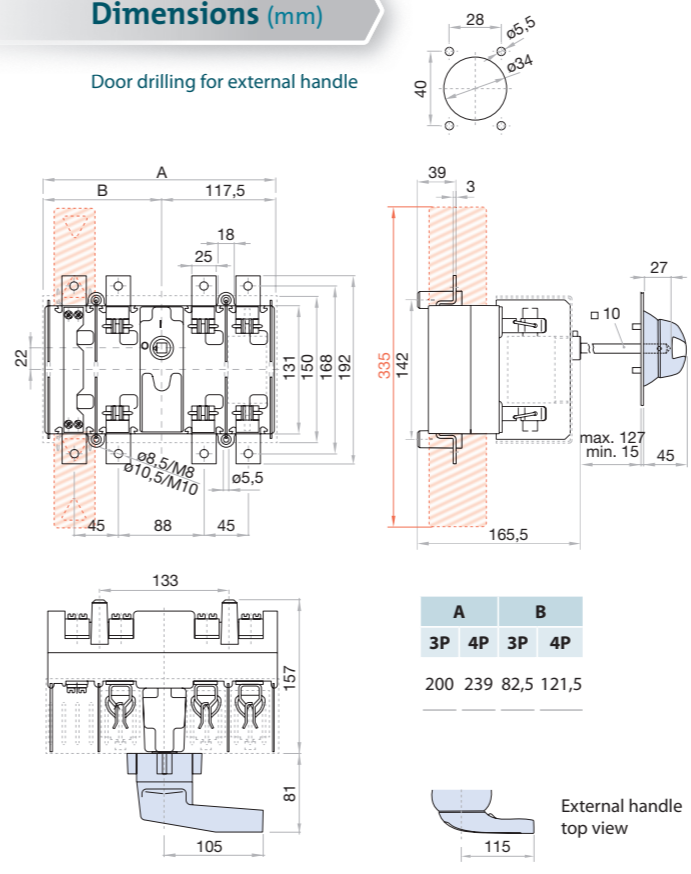
- External handle** included shaft <sup>\*(e1)</sup>  
IP65  
CODE DS-SA11
- Emergency external handle** included shaft <sup>\*(e1)</sup>  
IP65  
CODE DS-SR11
- Direct handle**  
CODE DM2S11

- Shafts**  
**Standard shaft** included <sup>\*(e1)</sup>  
L (mm) | P (mm)  
227 | 180... 292
- Shaft extensions Type 1**  
L (mm) | P (mm) | CODE  
375 | 180... 441 | DS-EP14

### Rear protective plate

	160-200 A	250 A
<b>3P</b>	DM2PP11	DM2PP21
<b>4P</b>	DM2PP12	DM2PP22

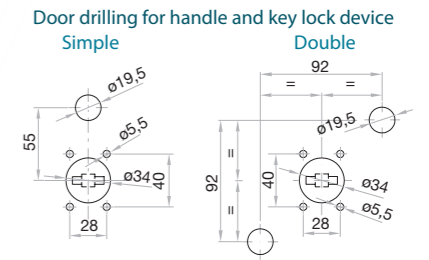
### Dimensions (mm)



- Terminal shrouds**  
3P INPUT DM2CU11 | 3P OUTPUT DM2CU12 | 4P INPUT/OUTPUT DM2CU13  
(1 kit for input or output)

- Auxiliary contacts**  
1NO+1NC CODE D5LAU01  
2NO+2NC CODE D5LAU02  
Ie = 16 A (resistive loads)  
4 A (inductive loads) at 250 Vac.

- Safety key lock device**  
Simple CODE DS-CA11  
Double CODE DS-CEB1  
For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked



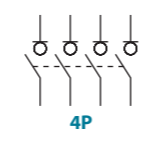
### Technical information



According to IEC 60947-3

		160	200	250
Fuses	NH/DIN	0	-	05
	BS	A4	B1-B2	B1-B2
Rated thermal current in ambient at 40 °C	Ith	A	160	200
Rated thermal current in enclosure	Ithe	A	160	250
Rated insulation voltage	Ui	V	800	800
Rated impulse withstand voltage	Uimp	kV	8	8
Power dissipation in fuse links <sup>*(1)</sup>	NH/DIN	W	13,5	17,8
	BS		11	16
AC rated operational current <sup>*(2)</sup>	Ue 400 V AC21A	A	160	250
	Ue 400 V AC22A	A	160	250
	Ue 400 V AC23A	A	160	250

		160	200	250
Rated breaking capacity	400 V; cos φ = 0,35±0,45	A	1280	2000
Rated making capacity	400 V; cos φ = 0,45	A	1600	2500
<b>Short - circuit behaviour</b>				
Rated conditional short-circuit current <sup>*(3)</sup>	Iq	kA rms	100	100
Rated conditional short-circuit making <sup>*(3)</sup>		kA rms	100	100
Maximum cut - off current		kA (peak)	26,3	26,3
Maximum power dissipation		A <sup>2</sup> s (x 10 <sup>3</sup> )	478	478
Number of mechanical operations (according to the standards, for other values please consult)	Cycles		8000	8000
Maximum weight 3P		kg	3,1	3,1
Maximum weight 3P+N		kg	4	4

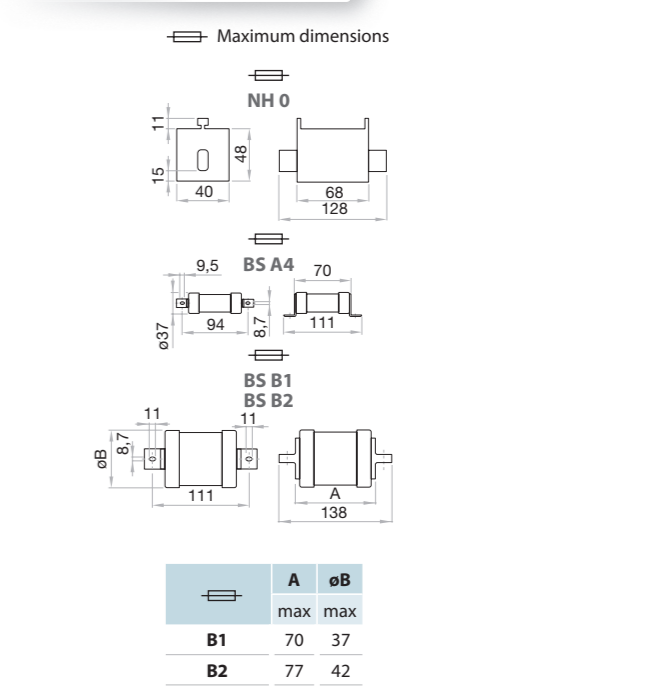


Also available 4P switches under request, please consult

<sup>\*(1)</sup> Power dissipation values of fuse - links used in type tests. Please consult for fuse - links with higher power dissipation  
<sup>\*(2)</sup> Other voltages and / or utilization categories; please consult us  
<sup>\*(3)</sup> With a protective device limiting the cut - off current and the joule integral to the indicated values

	S max (Cu)	H max (Cu)	L max (Cu)	T	M
<b>160 A</b>	120	5	25	M8	13
<b>200 A</b>	120	5	25	M10	24
<b>250 A</b>	120	5	25	M10	24

### Fuses

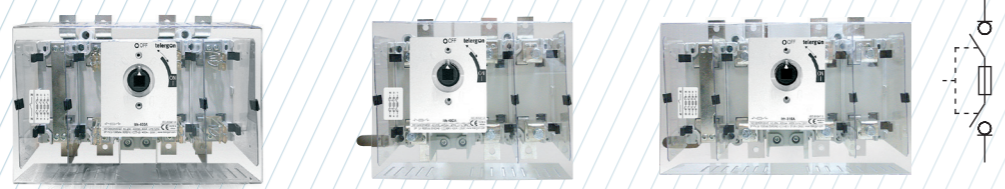


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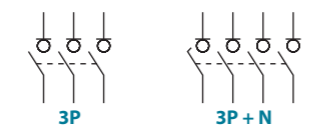
**Size 2**

**A** 250|315|400

NH 1 NH 2 BS B1  
BS B2 BS B3 BS B4



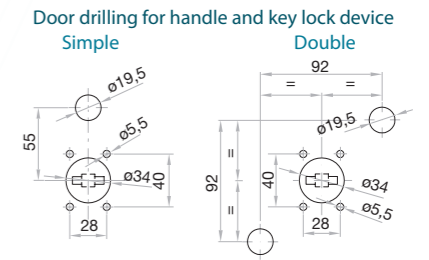
Fuses	NH 1	NH 2	BS B1...BS B3	BS B1...BS B4
3P	CODE-250A M2102503PSD10	CODE-400A M2104003PSD20	CODE-315A M2103153PSB40	CODE-400A M2104003PSB50
3P+N	M2102503NSD10	M2104003NSD20	M2103153NSB40	M2104003NSB50



## Accessories

- External handle** included shaft <sup>\*(e1)</sup>  
IP65  
CODE DS-LA22
- Emergency external handle** included shaft <sup>\*(e1)</sup>  
IP65  
CODE DS-LR22
- Direct handle**  
CODE DM2SI21
- Shafts**  
**Standard shaft** included <sup>\*(e1)</sup>  
L (mm) | P (mm)  
239 | 216... 286  
**Shaft extensions**  
Type 1  
L (mm) | P (mm) | CODE  
345 | 216... 392 | DS-EP23
- Rear protective plate**  
3P | 4P  
DM2PP21 | DM2PP22

- Terminal shrouds**  
3P INPUT DM2CU21 | 3P OUTPUT DM2CU22 | 4P INPUT/OUTPUT DM2CU23  
(1 kit for input or output)
- Auxiliary contacts**  
1NO+1NC CODE D5LAU01  
2NO+2NC CODE D5LAU02  
Ie = 16 A (resistive loads)  
4 A (inductive loads) at 250 Vac.
- Safety key lock device**  
Simple CODE DS-CB21  
Double CODE DS-CF21  
For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked



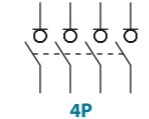
## Technical information



According to IEC 60947-3

Fuses	NH/DIN	250	315	400
	NH/DIN	1	-	2
	BS	-	B1-B3	B1-B4
Rated thermal current in ambient at 40 °C	Ith	A 250	315	400
Rated thermal current in enclosure	Ithe	A 250	-	400
Rated insulation voltage	Ui	V 1000	1000	1000
Rated impulse withstand voltage	Uimp	kV 12	12	12
Power dissipation in fuse links <sup>*(1)</sup>	NH/DIN	W 18,7	-	30
	BS	-	24	29
AC rated operational current <sup>*(2)</sup>	Ue 400 V AC21A	A 250	315	400
	Ue 400 V AC22A	A 250	315	400
	Ue 400 V AC23A	A 250	315	400

	250	315	400
Rated breaking capacity 400 V; cos φ = 0,35÷0,45	A 2000	2520	3200
Rated making capacity 400 V; cos φ = 0,45	A 2500	3150	4000
<b>Short - circuit behaviour</b>			
Rated conditional short-circuit current <sup>*(3)</sup> Iq	kA rms 100	100	100
Rated conditional short-circuit making <sup>*(3)</sup>	kA rms 100	100	100
Maximum cut - off current	kA (peak) 43,3	43,3	43,3
Maximum power dissipation	A <sup>2</sup> s (x 10 <sup>3</sup> ) 1600	1600	1600
Number of mechanical operations (according to the standards, for other values please consult)	Cycles 8000	8000	5000
Maximum weight 3P	kg 6,6	6,6	6,6
Maximum weight 3P+N	kg 8	8	8



Also available 4P switches under request, please consult

## Dimensions (mm)

Door drilling for external handle

	A	B	C	D	E
	3P	4P	3P	4P	
250 A			212	242	4
315 A	274	329	111	166	
400 A			216	246	5

## Fuses

Maximum dimensions

	A	øB	D	G	H	J
	max	max	max	nom	nom	min
B1	70	37				
B2	77	42	138	111	8,7	11
B3						
B4	83	66				

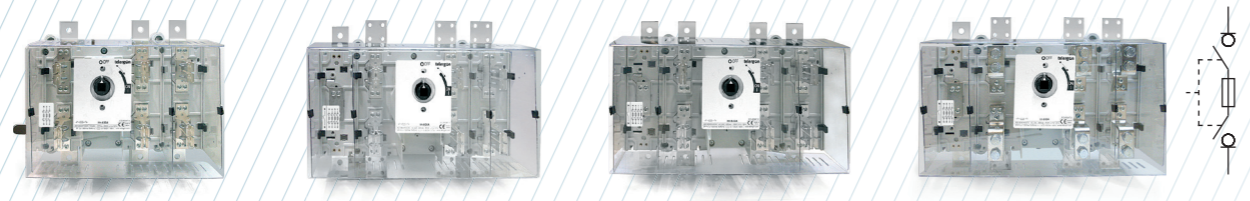
<sup>\*(1)</sup> Power dissipation values of fuse - links used in type tests. Please consult for fuse - links with higher power dissipation  
<sup>\*(2)</sup> Other voltages and / or utilization categories; please consult us  
<sup>\*(3)</sup> With a protective device limiting the cut - off current and the joule integral to the indicated values

# M21 Switch fuses base mounting 3P - 3P+N

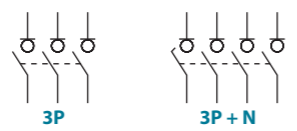
**Size 3**

**A 630|800**

NH 3 BS C1 BS C2 BS C3



	CODE-630A	CODE-800A	CODE-630A	CODE-800A
<b>3P</b>	M2106303PSD30	M2108003PSD30	M2106303PSB70	M2108003PSB80
<b>3P+N</b>	M2106303NSD30	M2108003NSD30	M2106303NSB70	M2108003NSB80
<b>Fuses</b>	NH 3	NH 3	BS C1...BS C2	BS C1...BS C3



## Accessories

**External handle** included shaft <sup>(e1)</sup>  
IP65  
CODE DS-LA31

**Emergency external handle** included shaft <sup>(e1)</sup>  
IP65  
CODE DS-LR31

**Direct handle**  
CODE DM2SI31

**Shafts**  
**Standard shaft** included <sup>(e1)</sup>  
L (mm) | P (mm)  
186 | 235... 286

**Shaft extensions**  
Type 1  
L (mm) | P (mm) | CODE  
345 | 235... 445 | DS-EP23

**Rear protective plate**  
3P | 4P  
DM2PP31 | DM2PP32

**Terminal shrouds**

3P INPUT DM2CU31 | 3P OUTPUT DM2CU32 | 4P INPUT/OUTPUT DM2CU33  
(1 kit for input or output)

**Auxiliary contacts**

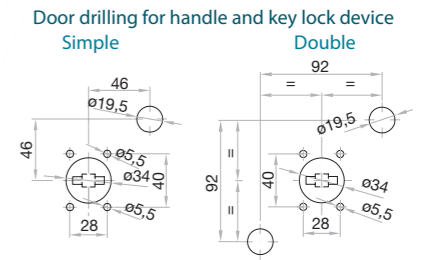
1NO+1NC CODE D5LAU01  
2NO+2NC CODE D5LAU02

Ie = 16 A (resistive loads)  
4 A (inductive loads) at 250 Vac.

**Safety key lock device**

Simple CODE DS-CB31  
Double CODE DS-CF31

For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked



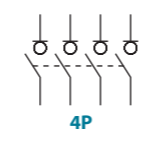
## Technical information



According to IEC 60947-3

Fuses	NH/DIN	A	630	800
			C1-C2	C1-C3
Rated thermal current in ambient at 40 °C	Ith	A	630	800
Rated thermal current in enclosure	Ithe	A	630	725
Rated insulation voltage	Ui	V	1000	1000
Rated impulse withstand voltage	Uimp	kV	12	12
Power dissipation in fuse links <sup>(e1)</sup>	NH/DIN	W	48	57
	BS		44	63
AC rated operational current <sup>(e2)</sup> (Rated frequency 50/60 Hz)	Ue 400 V AC21A	A	630	800
	Ue 400 V AC22A	A	630	800
	Ue 400 V AC23B	A	630	630

Rated breaking capacity	400 V; cos φ = 0,35+0,45	A	630	800
			5040	5040
Rated making capacity	400 V; cos φ = 0,45	A	6300	6300
<b>Short - circuit behaviour</b>				
Rated conditional short-circuit current <sup>(e3)</sup>	Iq	kA rms	100	100
Rated conditional short-circuit making <sup>(e3)</sup>		kA rms	100	100
Maximum cut - off current		kA (peak)	60,8	60,8
Maximum power dissipation	A <sup>2</sup> s (x 10 <sup>3</sup> )		4600	4600
Number of mechanical operations (according to the standards, for other values please consult)	Cycles		5000	3000
Maximum weight 3P		kg	13	13
Maximum weight 3P+N		kg	15	15



Also available 4P switches under request, please consult

## Dimensions (mm)

Door drilling for external handle

**630 A**  
max. 64 min. 15  
max 56 min 7

**800 A**  
max. 64 min. 15  
max 56 min 7

## Fuses

Maximum dimensions

NH 3  
BS C1  
BS C2  
BS C3

A	B
3P 381	4P 426
3P 166	4P 211

	A	øB	D	G	H	J	L
	max	max	max	nom	nom	min	min
<b>C1</b>	83	66				11	25,4
<b>C2</b>	85	77	212	133	10,3		
<b>C3</b>	89	84				12,5	

