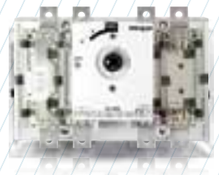
series M21

M21
Fusible switch base mounting 3P - 3P+N

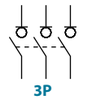
Size 1

A 160|200|250

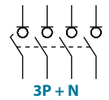
NH 0 BS A4
BS B1 BS B2



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



3P



3P + N

Technical information

CE EAC

According to IEC / EN 60947-3

				160	200	250
Fuses		NH/DIN	A	0	-	0S
		BS	A	A4	B1-B2	B1-B2
Rated thermal current in ambient at 40 °C		Ith	A	160	200	250
Rated thermal current in enclosure		Ithe	A	160	-	250
Rated insulation voltage		Ui	V	800	800	800
Rated dielectric strength		50 Hz, 1 min	kV	6000	6000	6000
Rated impulse withstand voltage		Uimp	kV	8	8	8
Power dissipation in fuse links *(1)		NH/DIN	W	13,5	-	17,8
		BS		11	13	16
AC rated operational current *(2) (Rated frequency 50 / 60 Hz)	Ie	Ue 400 V AC21A	A	160	200	250
		Ue 400 V AC22A	A	160	200	250
		Ue 400 V AC23A	A	160	200	250
		Ue 500 V AC21A	A	160	200	250
		Ue 500 V AC22A	A	160	200	250
		Ue 500 V AC23A	A	160	200	250
AC rated operational power *(3)	Pe	3x400 V AC23A	kW	90	110	132

				160	200	250
Rated capacitor power	400 V	kVAr		60	75	100
Rated breaking capacity	400 V; cos φ = 0,35÷0,45	A		1280	1600	2000
Rated making capacity	400 V; cos φ = 0,45	A		1600	2000	2500
Conditional short - circuit current						
Fuse protected short-circuit withstand *(4)		kA rms		100	100	100
Fuse protected short-circuit making *(4)		kA rms		100	100	100
Maximum cut - off current		kA (peak)		26,3	26,3	26,3
Maximum power dissipation		A^2s (x 10^3)		478	478	478
Minimum number of mechanical operations *(5)		Cycles		10000	10000	10000
Maximum weight 3P		kg		3,1	3,1	3,1
Maximum weight 3P+N		kg		4	4	4

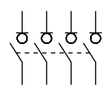
*(1) Power dissipation values of fuse - links used in type tests. Please consult for fuse - links with higher power dissipation

*(2) Other voltages and / or utilization categories; please consult us

*(3) Indicative values: curent values depend on the motor manufacturer

*(4) With a protective device limiting the cut - off current and the joule integral to the indicated values

*(5) Please consult us for more operations

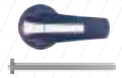


4P

Also available 4P switches under request, consult reference

series M11

Accessories



External handle included shaft *(e1)

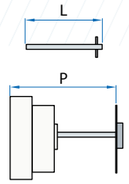
IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SA11

Emergency external handle included shaft *(e1)

IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SR11

Direct handle

CODE DM2SI11



Shafts

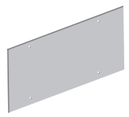
Standard shaft included *(e1)

L (mm)	P (mm)
227	180... 292

Extended shafts

Type 1

L (mm)	P (mm)	CODE
376	180... 441	DS-EP14

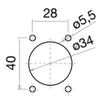


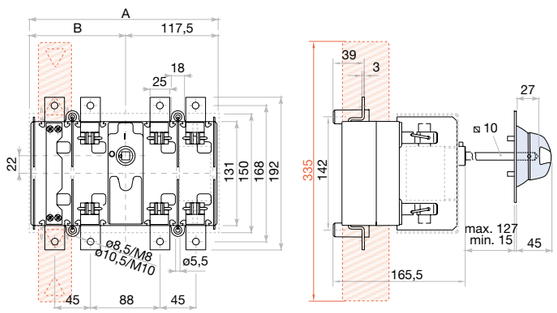
Rear protective plate

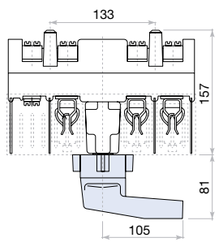
160-200 A		250 A	
3P	4P	3P	4P
DM2PP11	DM2PP12	DM2PP21	DM2PP22

Dimensions (mm)

Door drilling for external handle







A		B	
3P	4P	3P	4P
200	239	82,5	121,5

External handle top view

Terminal shrouds (1 kit for input or output)

3P INPUT	3P OUTPUT	4P INPUT / OUTPUT
DM2CU11	DM2CU12	DM2CU13

Auxiliary contacts

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

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

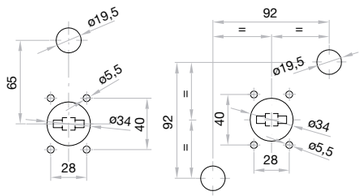
Safety key lock device

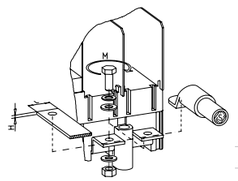
Simple *CODE* DS-CA11
Double *CODE* DS-CEB1

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

Door drilling for handle and keylock device

Simple Double

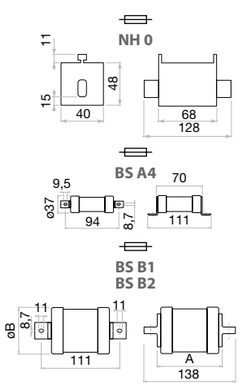




	S max (Cu)	H max (Cu)	L max (Cu)		M
	mm²	mm	mm		Nxm
160 A	120	5	25	M8	13
200 A					
250 A	120	5	25	M10	24

Fuses

Maximum dimensions



	A	øB
	max	max
B1	70	37
B2	77	42