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

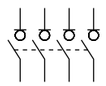
Technical information

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

*(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

			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

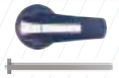


4P

Also available 4P switches under request, consult reference

series M21

Accessories



External handle included shaft *(e1)

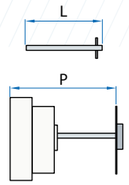
IP65|UL50E/NEMA 250
Types: 1, 3R, 4, 4X y 12
CODE DS-SA11

Emergency external handle included shaft *(e1)

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

Direct handle

CODE DM2SI11



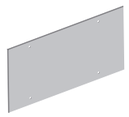
Shafts

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

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.

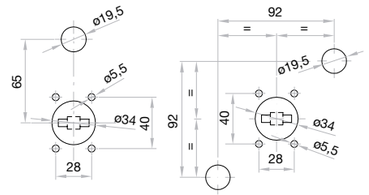
Safety key lock device

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

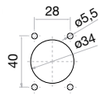
Door drilling for handle and keylock device

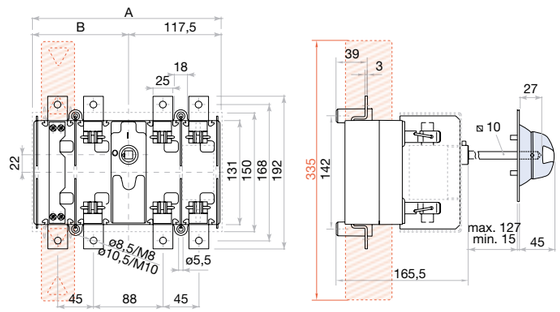
Simple Double

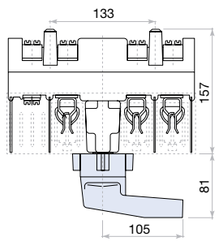


Dimensions (mm)

Door drilling for external handle

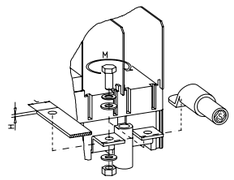


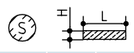




A		B	
3P	4P	3P	4P
200	239	82,5	121,5

External handle top view

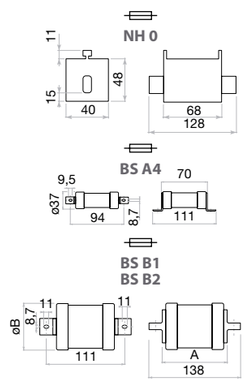




	S max (Cu)	H max (Cu)	L max (Cu)		M
	mm²	mm	mm		Nxm
160 A	120	5	25	M8	13
200 A	120	5	25	M8	13
250 A	120	5	25	M10	24

Fuses

Maximum dimensions



	A	øB
	max	max
B1	70	37
B2	77	42