

SWITCHGEAR PRODUCTS



- Key Switches
- Isolator Switches
- Isolator Switches & Accessories

UK
CA CE

MCG[®]
INDUSTRIAL

MCG Industrial is a member of the British Standards Institution

INTRODUCTION

Established for over 30 years MCG offer a range of products including Switchgear.

The Switchgear product range has been specifically designed to meet the demanding needs of today's panel builders and engineers whose requirements can range from a simple DIN rail terminal through to a complete panel solution. MCG products allow panel builders globally to deliver significant advances through greater efficiency, reliability and performance, thereby increasing their competitive advantage and delivering the optimum panel solution.

MCG Control & Switchgear products deliver innovation and efficiency hand-in-hand with reliability and longevity.



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KEY SWITCHES

Fireman's Switch IP54

Features:

- Die-cast aluminium switch disconnecter
- Operates with fireman's hook or axe – pull down to switch off
- Two-handed switch On
- 2 Pole 230V AC
- Cable entry: 2 x M25 Glands top and bottom
- IEC 60947-1 and 3
- Guarantee: 1 Year

Includes:

- PE Terminal and membrane gland [IP54]
- 'Fireman Switch' label
- 4 x M25 Sealing plugs

Code	Ref No.	Description	Dimensions (mm)		
			W	H	D
2 Pole					
2296-2532	FMS 25/2	25A 2P 230V	109	130	60



ISOLATOR SWITCHES

TP+N Metal Switch Fuses

Features:

- Defeatable door interlocked handle
- Door earth lead fitted as standard
- Removable top and bottom gland plates
- Padlockable in the Off position
- Bureau Veritas, KEMA certified and CE approved
- BS EN 60947-1-3
- SF range IP41
- MCG SF range IP65

Includes:

- BS 88 Bolt-in fuses



MCGSF200TPN



MCGSF250TPN

Code	Ref No.	Current Rating	Dimensions (mm)		
			W	H	D
0013-2163	SF63SPN	63A	115	250	60
0013-2160	SF100SPN	100A	135	305	60
0013-7515	SF63TPN	63A	230	300	110
0013-7503	SF100TPN	100A	230	400	110
2453-6014	MCGSF200TPN	200A	400	500	200
2453-6017	MCGSF250TPN	250A	400	500	200
2453-6020	MCGSF315TPN	315A	600	800	300
2453-6023	MCGSF400TPN	400A	600	800	300



ISOLATOR SWITCHES

Enclosed Rotary Isolators IP65

Features:

- Flame retardant ABS plastic
- Easy access and switch removal
- Current rating: AC21 [resistive loads]
- Padlockable in the Off position
- Cable entry: 20 - 40A 20 mm[Ø] Knockouts
63 - 125A 25 mm[Ø] Knockouts
- Mounted: Surface
- IEC EN 60947-3



Code	Ref No.	Current Rating	Dimensions (mm)		
			W	H	D
3 Pole					
0576-1585	SMI20-3	20A	100	125	74
0433-1995	SMI25-3	25A	100	125	74
0433-2007	SMI32-3	32A	100	125	74
1462-6486	SMI40-3	40A	100	125	74
0433-2019	SMI63-3	63A	125	175	90
1462-6531	SMI80-3	80A	125	175	90

Code	Ref No.	Current Rating	Dimensions (mm)		
			W	H	D
4 Pole					
0576-1588	SMI20-4	20A	100	125	74
0433-2001	SMI25-4	25A	100	125	74
0433-2013	SMI32-4	32A	100	125	74
1462-6492	SMI40-4	40A	100	125	74
0433-2025	SMI63-4	63A	125	175	90
1462-6537	SMI80-4	80A	125	175	90
1462-6426	SMI100-4	100A	190	280	130
1462-6432	SMI125-4	125A	190	280	130

Enclosed Rotary Isolators IP65 - Large Body Versions

Features:

- Flame retardant ABS plastic
- Easy access and switch removal
- Current rating: AC21 [resistive loads]
- Padlockable in the Off position
- Cable entry: 20 - 40A 20 mm[Ø] Knockouts
- Mounted: Surface
- IEC EN 60947-3



SMI25-4L

Code	Ref No.	Current Rating	Dimensions (mm)		
			W	H	D
4 Pole					
1462-6450	SMI125-4L	25A	125	175	90
1462-6471	SMI132-4L	32A	125	175	90
1462-6498	SMI140-4L	40A	125	175	90

Enclosed Rotary Isolators IP66

Features:

- Insulated polycarbonate enclosure
- Current rating: AC21 [resistive loads]
- Forced open contacts
- Padlockable in the Off position:
3 Lock positions
- Cable entry: Multiple knockouts
- Mounted: Surface
- IEC EN 60947-3



4P63ASM

Code	Ref No.	Current Rating	Dimensions (mm)		
			W	H	D
3 Pole					
0013-3411	3P20ASM*	20A	80	100	65
0013-3432	3P25ASM	25A	100	125	85
0013-3453	3P32ASM	32A	100	125	85
0013-3468	3P40ASM	40A	115	175	100
0013-3483	3P63ASM	63A	115	175	100
0013-3498	3P80ASM	80A	160	250	95
0013-3381	3P100ASM	100A	160	250	95
4 Pole					
0013-3648	4P20ASM*	20A	80	100	65
0013-3672	4P32ASM	32A	100	125	85
0013-3681	4P40ASM	40A	115	175	100
0013-3690	4P63ASM	63A	115	175	100
0013-3699	4P80ASM	80A	160	250	95
0013-3633	4P100ASM	100A	160	250	95
6 Pole					
0013-4059	6P20ASM*	20A	80	100	85
0013-4065	6P32ASM	32A	160	250	95
0013-4068	6P63ASM	63A	190	280	130
8 Pole					
0013-4158	8P32ASM*	32A	160	250	95

*No Auxiliary available

Enclosed Rotary Isolators IP54 - Metal Body

Features:

- Epoxy coated steel construction
- Knockout cable entry
- AC21 switch rating
- Padlockable in the Off position
- Mounted: Surface
- IEC EN 60947-1 & 3



SMI32-4M

Code	Ref No.	Current Rating	Dimensions (mm)		
			W	H	D
4 Pole					
1462-6474	SMI32-4M	32A	145	220	90
1462-6519	SMI63-4M	63A	145	220	90
1462-6429	SMI100-4M	100A	215	270	122

ISOLATOR SWITCHES

Enclosed Rotary Isolators DC IP66



Features:

- Suitable for Photovoltaic - Isolators, Inverter Applications, DC Solar Pumps
- IP66
- Insulated enclosure flame retardant material
- Low smoke and halogen free
- Wiping contacts
- Padlockable for added security (up to 3 padlocks)
- Interlock Feature (Cover opens only in OFF position)
- Knockout cable entries

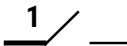
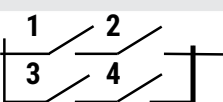
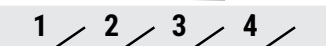
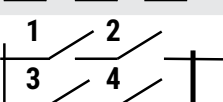
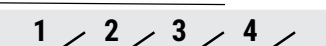
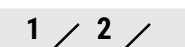
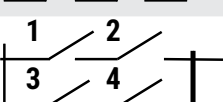
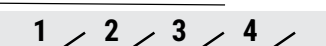


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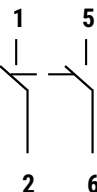
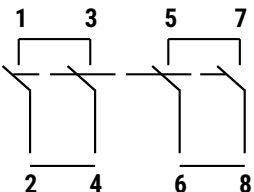
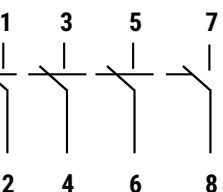
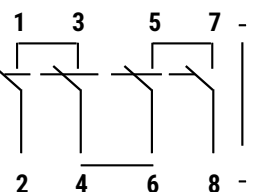
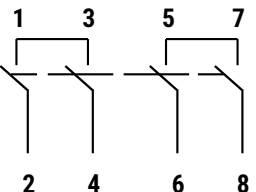
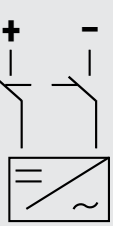
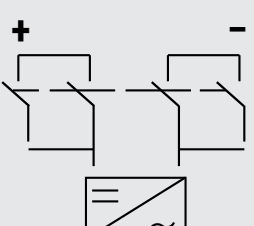
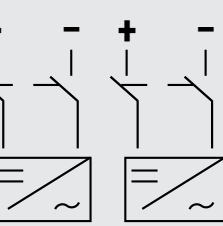
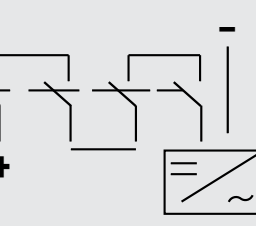
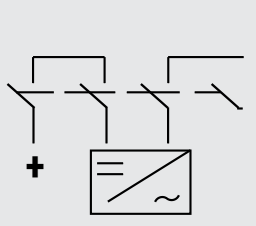
Code	Ref No.	Current Rating 1500V	Current Rating 1000V	Dimensions (mm)		
				W	H	D
4 Pole						
2781-7849	SMI16-4DC	16A	20A	100	160	74
2781-7852	SMI20-4DC	20A	25A	100	160	74
2781-7855	SMI25-4DC	25A	32A	100	160	74
2781-7858	SMI32-4DC	32A	40A	100	160	74



ISOLATOR SWITCHES

Type	Configuration	Poles	IEC Rating 60947-3- DC21B & DC PV2			
			500V	700V	1000V	1500V
DC Isolators Rating Table						
SMI16-4DC		1 Pole	12	10	6	-
		2 Poles in series	16	16	-	-
SM120-4DC		2 Poles in series + 2 Parallel	55	25	12	3
		4 Poles in series	25	25	25	20
SM125-4DC		1 Pole	16	12	8	-
		2 Poles in series	20	20	-	-
		2 Poles in series + 2 Parallel	63	32	16	4
		4 Poles in series	32	32	32	25
SM132-4DC		1 Pole	20	16	11	-
		2 Poles in series	25	25	-	-
		2 Poles in series + 2 Parallel	72	35	20	6
		4 Poles in series	40	40	40	32

Switching Configurations - Examples

Type	2 Poles	2+2 Poles, 2+ Poles in series + 2 poles in parallel	4 Poles	4 Poles with Jumper Links	
Contacts Wiring Diagram					
Switching Example					

ISOLATOR SWITCHES & ACCESSORIES

Panel Mounted Isolator Switches IP66

Features:

- Switching angle: 90°
- Padlockable in the Off position
- Forced open contacts
- Door interlocked
- Accepts auxiliary contacts – sold separately
- BS EN 60947



3P20ARMDI

Code	Ref No.	Current Rating	AC23 [415V]	Dimensions (mm)		
				W	H	D
3 Pole – Rear Mount – Plastic Shaft						
0013-3408	3P20ARMDI	20A	5.5 kW	67	70	92
0013-3429	3P25ARMDI	25A	7.5 kW	67	70	92
0013-3450	3P32ARMDI	32A	11 kW	67	70	92
0013-3465	3P40ARMDI	40A	15 kW	67	70	92
0013-3480	3P63ARMDI	63A	22 kW	67	72	92
0013-3495	3P80ARMDI	80A	30 kW	88	80	102
0013-3378	3P100ARMDI	100A	37 kW	88	80	102
3 Pole – Rear Mount – Metal Shaft						
0013-3393	3P20AMSRMDI	20A	5.5 kW	67	70	105
0013-3420	3P25AMSRMDI	25A	7.5 kW	67	70	105
0013-3441	3P32AMSRMDI	32A	11 kW	67	70	105
0013-3459	3P40AMSRMDI	40A	15 kW	67	70	105
0013-3474	3P63AMSRMDI	63A	22 kW	67	72	105
0013-3489	3P80AMSRMDI	80A	30 kW	67	80	120
0013-3372	3P100AMSRMDI	100A	37 kW	67	80	120
3 Pole – Front Mount						
0013-3399	3P20APM	20A	5.5 kW	67	70	58
0013-3423	3P25APM	25A	7.5 kW	67	70	58
0013-3444	3P32APM	32A	11 kW	67	70	58
0013-3462	3P40APM	40A	15 kW	67	70	58
0013-3477	3P63APM	63A	22 kW	67	72	58
0013-3492	3P80APM	80A	30 kW	88	80	73
0013-3375	3P100APM	100A	37 kW	88	80	73
4 Pole – Rear Mount – Plastic Shaft						
0013-3645	4P20ARMDI	20A	5.5 kW	67	70	92
0013-3657	4P25ARMDI	25A	7.5 kW	67	70	92
0013-3669	4P32ARMDI	32A	11 kW	67	70	92
0013-3678	4P40ARMDI	40A	15 kW	67	70	92
0013-3687	4P63ARMDI	63A	22 kW	67	72	92
0013-3696	4P80ARMDI	80A	30 kW	70	80	102
0013-3630	4P100ARMDI	100A	37 kW	70	80	102

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1 NO 1 NC Auxiliary Contact

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Features:

- Suitable for use with rear panel mount isolator switches
- Screw terminal connections
- Side mounting



RH220/11

RH11

Code	Ref No.	Current Rating	Contact Configuration	Suitable For
Suitable for Rear Mount Isolator Switches				
0023-2414	RH220/11	20 - 40A	1 NO + 1 NC	20 - 40A Switches
0013-7314	RH11	63A	1 NO + 1 NC	63 - 100A Switches

Metal Shaft Extensions

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Features:

- For use with the AMSRMDI range only
- BS EN 60947



ES90MM

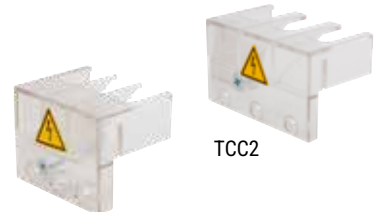
Code	Ref No.	Dimensions (mm)	
		L	D
0013-5544	ES90MM	90	8
0013-5532	ES190MM	190	8
0013-5535	ES290MM	290	8
0013-5538	ES390MM	390	8
0013-5541	ES490MM	490	8

3 Pole Terminal Shrouds

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Features:

- Use with single pole shroud for 3 pole devices
- BS EN 60947



TCA2

TCC2

Code	Ref No.	Suitable For
3 Pole		
0048-9535	TCA2	20 - 40A
0545-0131	TCC2	63A

ISOLATOR SWITCHES & ACCESSORIES

Add-On Switched Neutrals

Features:

- Screw terminal connections
- Side mounting
- BS EN 60947



FP20AMSRM



FP80APM

Code	Ref No.	Current Rating
Suitable for Rear Mount Isolator Switches to fit AMSRMDI		
0013-5604	FP20AMSRM	20A
0035-1220	FP25AMSRM	25A
0013-5607	FP32AMSRM	32A
0013-5610	FP40AMSRM	40A
0013-5613	FP63AMSRM	63A
0013-5616	FP80AMSRM	80A
0013-5601	FP100AMSRM	100A
Suitable for Front Mount Isolator Switches to fit APM		
0048-8830	FP20APM	20A
0048-8833	FP25APM	25A
0048-8836	FP32APM	32A
0048-8839	FP40APM	40A
0048-8842	FP63APM	63A
0048-8845	FP80APM	80A
0048-8827	FP100APM	100A

Plastic Shaft Extensions

Features:

- Suitable for ARMDI range only
- Snap fit for easy installation
- Mount directly between isolator body and handle
- BS EN 60947


Includes:

- 4 x 25 mm Extensions

Code	Ref No.	Description
0013-5904	H2/25MMES	4 x 25mm 3P20-63 & 4P20-63 [4 pack]*
0013-5913	H4/25MMES	4 x 25mm 3P80-100A & 4P80-100A [4 pack]*

*Max 8 per switch

Auxiliary Contacts

Features:

- Suitable for APM range
- Screw terminal connections
- Side mounting
- BS EN 60947



AB20PM11

Code	Ref No.	Current Rating	Contact Configuration	Suitable For
Suitable for Front Mount Isolator Switches				
0013-4410	AB20PM11	10A	1 NO + 1 NC	20 - 40A Switches
0013-4407	AB100PM11	10A	1 NO + 1 NC	63 - 100A Switches

Manual Changeover Switches IP66

Features:

- Polycarbonate enclosure with forced open contacts
- Padlockable in the Off position
- Three position switch: 1, 2 and Off
- Interlocked front cover can only be removed in the Off position
- Cable entry: Knockouts top and side
- Mounted: Surface
- BS EN 60947-3



2P100ACOSM

Code	Ref No.	Current Rating [AC21]	Dimensions (mm)			
			W	H	D	
2 Pole						
0013-3207	2P20ACOSM	20A	80	100	65	
0013-3213	2P25ACOSM	25A	80	100	65	
0013-3216	2P32ACOSM	32A	160	250	95	
0013-3219	2P63ACOSM	63A	190	280	130	
0013-3201	2P100ACOSM	100A	190	280	130	
Code	Ref No.	Current Rating	AC23A kW Current [425V]	Dimensions (mm)		
				W	H	D
3 Pole						
0013-3390	3P20ACOSM	20A	5.5 kW	80	100	58
0013-3417	3P25ACOSM	25A	7.5 kW	160	250	95
0013-3438	3P32ACOSM	32A	11 kW	160	250	95
0013-3471	3P63ACOSM	63A	30 kW	190	280	130
0035-0917	3P100ACOSM	100A	37 kW	220	320	180
4 Pole						
0013-3642	4P20ACOSM	20A	5.5 kW	80	100	58
0013-3654	4P25ACOSM	25A	7.5 kW	160	250	95
0013-3666	4P32ACOSM	32A	11 kW	160	250	95
0013-3684	4P63ACOSM	63A	30 kW	190	280	130
0023-2339	4P100ACOSM	100A	37 kW	220	320	180

NOTES

NOTES



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