

Switch Disconnect

Isolator Range



PRODOTTO ITALIANO

www.maximusonline.co.uk



Technology which Cares.



Making Workplace Safer:
MAXIMUS strive and adhere to best practices & guidance to customers on complying with relevant regulatory safety standards, encouraging a more professional approach and improved services for safety.



Relevance, Functionality & Performance: MAXIMUS business philosophy drives us to respond to our customer requests of higher efficient products built strictly on international accepted standards and designed for better performance for today and future.



Eco friendly Products & Going Green: MAXIMUS insists on "Going green" which means to pursue knowledge and practices that can lead to more environmental friendly and ecologically efficient products. We essentially use environmental-friendly plastic / metal components that are biodegradable and low in toxicity & help protect the environment and sustain its natural resources for current and future generations.



Energizing Lives In Style & Safety

Built to British standard in a state-of-art factory using high engineering standards.

BS Metal modular switches are elegantly designed and easy to assemble.

The front plates are made up of High Grade Metal which is environmental friendly.

The switches contact are made of High Quality Silver Alloy which has outstanding performance against electric arc.

Rockers can perform 40,000 On / Off operations.

The metal contact of socket are made of Phosphorus Bronze which has character of good electrical conductivity.



Based on terms and conditions applicable to the company

**SASO
COMPLIANT**

Tested & Certified by

Intertek



Thermoplastic Enclosure IP65 Disconnectaa Range

Diecast Aluminium Enclosure IP65 Disconnectaa Range

Codice Prodotto	Product Code	Numero Poli	No. Pole	Corrente Nominale	Current Rating
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Codice Prodotto	Product Code	Numero Poli	No. Pole	Corrente Nominale	Current Rating
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MR 302P1660	2P	16A
MR 302P2060	2P	20A
MR 302P2560	2P	25A
MR 302P3260	2P	32A
MR 302P4060	2P	40A
MR 302P6360	2P	63A
MR 302P8060	2P	80A
MR 302P10060	2P	100A
MR 302P12560	2P	125A
MR 303P1660	3P	16A
MR 303P2060	3P	20A
MR 303P2560	3P	25A
MR 303P3260	3P	32A
MR 303P4060	3P	40A
MR 303P6360	3P	63A
MR 303P8060	3P	80A
MR 303P10060	3P	100A
MR 303P12560	3P	125A
MR 304P1660	4P	16A
MR 304P2060	4P	20A
MR 304P2560	4P	25A
MR 304P3260	4P	32A
MR 304P4060	4P	40A
MR 304P6360	4P	63A
MR 304P8060	4P	80A
MR 304P10060	4P	100A
MR 304P12560	4P	125A
MR 304P16060	4P	160A

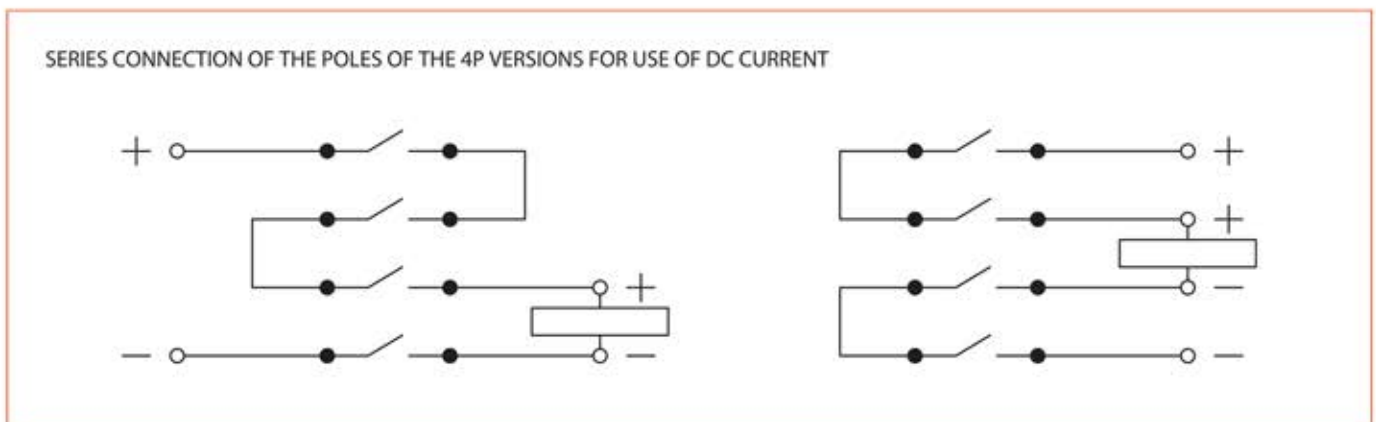
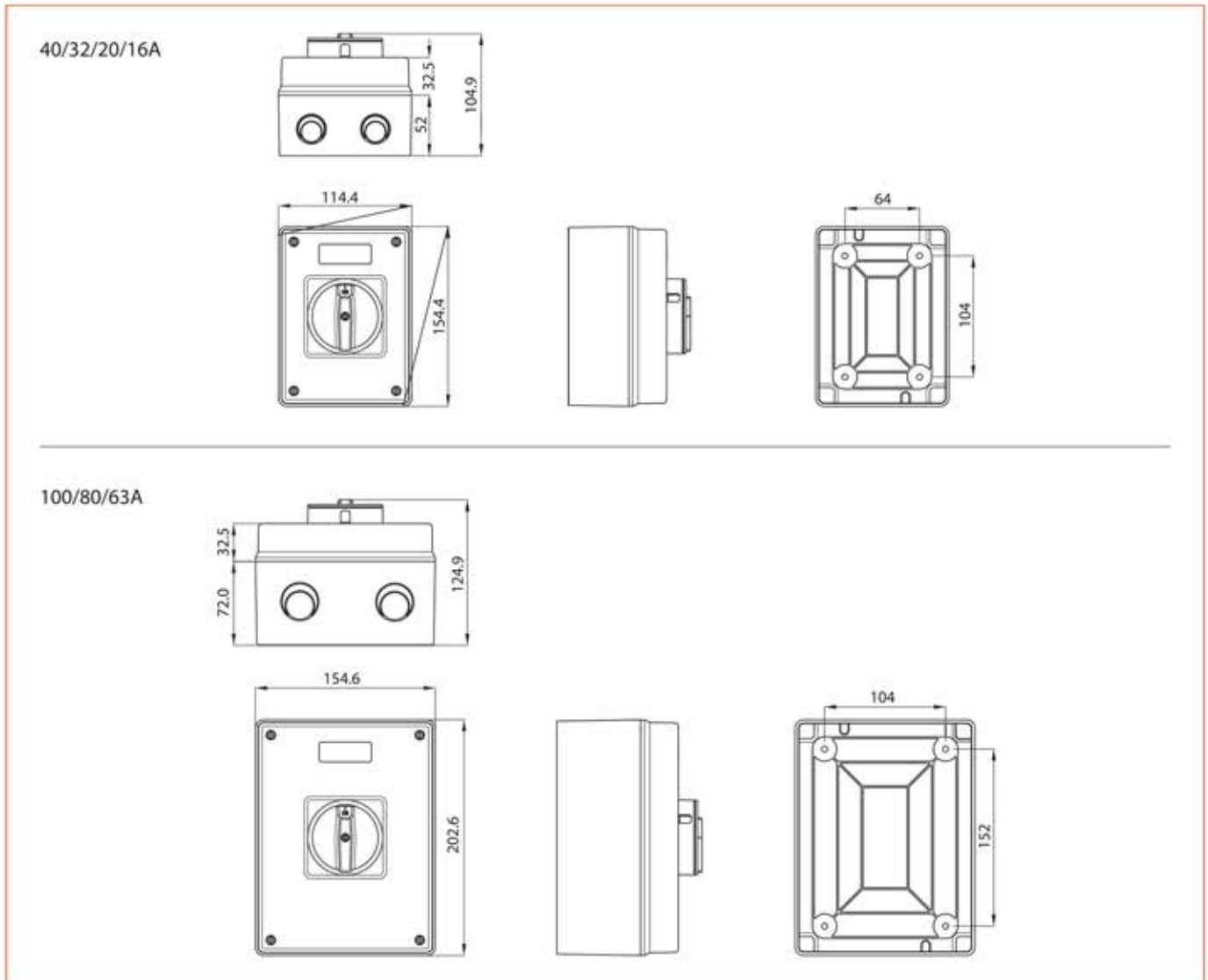
MR 502P1660	2P	16A
MR 502P2060	2P	20A
MR 502P2560	2P	25A
MR 502P3260	2P	32A
MR 502P4060	2P	40A
MR 502P6360	2P	63A
MR 502P8060	2P	80A
MR 502P10060	2P	100A
MR 502P12560	2P	125A
MR 503P1660	3P	16A
MR 503P2060	3P	20A
MR 503P2560	3P	25A
MR 503P3260	3P	32A
MR 503P4060	3P	40A
MR 503P6360	3P	63A
MR 503P8060	3P	80A
MR 503P10060	3P	100A
MR 503P12560	3P	125A
MR 504P1660	4P	16A
MR 504P2060	4P	20A
MR 504P2560	4P	25A
MR 504P3260	4P	32A
MR 504P4060	4P	40A
MR 504P6360	4P	63A
MR 504P8060	4P	80A
MR 504P10060	4P	100A
MR 504P12560	4P	125A
MR 504P16060	4P	160A

TECHNICAL CHARACTERISTICS

- Knob Padlock (3 Padlocks).
- Locklid in position ON.
- Turning angle 90°
- Earth and Neutral Through Terminal Blocks
- Knockouts for conduit entry : 16-20-32-40A 2xΦ 20/25mm.
- Knockouts for conduit entry : 63-80-100A 2xΦ 25/30 mm.
- IP65 protection degree (boxes), IK10
- Mechanical durability 120 cycles per hour : 100,000 cycles.
- Double Insulation and screw cover caps included.
- Boxes made of shock resistant halogen free technopolymer on ABS base & diecast aluminium enclosure
- Resistance to abnormal heat (Glow Wire Test IEC 60695-2-11) 650°C (box)
- Reference standard : EC947-3,EN60947-3,UL508.
- Rated operation voltage Ue : 690V.
- Insulated Voltage Ui : 690V.
- Product complying with the main requirements of the regulation B.T. 2006/95/CE.
- Product complying with the regulation RoHS II 2011/65/CE.

Rated operational current Ie	A	16	20	32	40	63	80	100
Rated thermal current Ith	A	30	30	40	40	63	86	100
AC21-A Switching mixed resistive and inductive loads at light overloads - 690V	A	30	32	32	40	63	80	100
AC22-A Switching mixed resistive and inductive loads at medium overloads - 690V	A	20	25	32	32	63	80	100 (500V)
AC23-A Periodic switching of motors or other loads highly inductive. 3 phase - 3 poles (A/kW)	230V	7,5/25	7,5/25	10/32	10/32	15/50	18,5/63	22/70
	400V	15/25	15/25	18,5/32	18,5/32	30/50	33/60	67/67
	500V	15/25	15/25	22/32	22/32	37/50	40/60	45/67
	690V	18,5/20	18,5/20	22/25	22/25	30/32	33/35	37/38
AC3- Starting of cage motors (interruption while running). 3 phase - 3 poles (A/kW)	230V	7,5/22	7,5/22	9/30	9/30	11/40	15/50	18,5/60
	400V	11/22	11/22	15/30	15/30	22/40	25/50	30/55
	500V	11/22	11/22	18,5/30	18,5/30	30/40	33/50	37/55
	690V	11/16	11/16	18,5/20	18,5/20	22/25	25/27	30/32
Nominal interruption power AC-23A (cosφ 0,45) (A)	230V	200	200	256	256	400	504	560
	400V	200	200	256	256	400	480	536
	500V	200	200	256	256	400	480	536
	690V	160	160	200	200	256	280	304
Rated short-time short circuit withstand current Icw (1s)	A	400	400	400	400	1500	1500	1500
Rated shorth circuit making capacity Icm	A	1500	1500	1500	1500	2840	2840	2840
Conditional rated short circuit withstand current	kA	10	10	10	10	10	10	10
Fuse rating gG	500V (A)	-	-	-	-	-	-	100
	690V (A)	40	40	40	40	63	80	-
Connectable section flexible conductors min/max	mm ²	10-1,5	10-1,5	10-1,5	10-1,5	25-6	25-6	25-6
Terminal screw / Screwing torque	Nm	M1,2/4	M1,2/4	M1,2/4	M1,2/4	M3/5	M3/5	M3/5
General use (UL600 (508V AC	A	32	32	40	40	63	80	100
Standard motors load (UL508) single phase - 2 poles	120VAC HP/FLA	20/1,5	20/1,5	24/2	24/2	34/3	34/3	34/3
	240VAC HP/FLA	17/3	17/3	28/5	28/5	40/7,5	40/7,5	50/10
Standard motors load (UL508) 3 phase - 3 poles	240VAC HP/FLA	22/7,5	22/7,5	28/10	28/10	28/10	28/10	28/10
	480VAC HP/FLA	14/10	14/10	21/15	21/15	27/20	34/25	34/25
	600VAC HP/FLA	17/15	17/15	22/20	22/20	27/25	32/30	32/30
Connectable section (UL508) AWG		8-16	8-16	8-16	8-16	2-10	2-10	2-10

DIMENSION TABLES





Isolator - HA Range

Sheet Steel Metal Enclosure

TECHNICAL CHARACTERISTICS

- Knob Padlock (3 Padlocks).
- Locklid in position ON.
- Turning angle 90°
- Earth and Neutral Through Terminal Blocks
- Current Rating : 200A-250A-315A-400A-500A
630A-800A-1000A-1250A-1600A
- IP54/65 protection degree (boxes),
- Mechanical durability 120 cycles per hour : 100,000 cycles.
- Operating Temperature According to reference Standard : -5°C to +40°C
- Min-Max Operating Temperature : -25°C to +60°C
- Product complying with the main requirements of the regulation EN 60947-3
- Degrees of Protection Provided with regulation EN 60529.

Hinged sheet Steel enclosure TPN Switch Disconnecter

Sr. No.	Rated current (A)	No. of poles	Enclosure Dimensions	Cable entries	
				Top	Bottom
1	200 – 250	4 – 5	500 x 300 x 150	Top	Bottom
2	315 – 400	4 – 5	600 x 400 x 200	Gland Plate	Gland Plate
3	500	4 – 5	700 x 500 x 250	Gland Plate	Gland Plate
4	630 – 800	4 – 5	800 x 800 x 300	Gland Plate	Gland Plate
5	1000 – 1250 – 1600	4 – 5	1000 x 1000 x 800	Gland Plate	Gland Plate

Isolator - HA Range

Technical Data Sheet

MAXIMUS
200-250V - 50-60Hz
ITEM CE



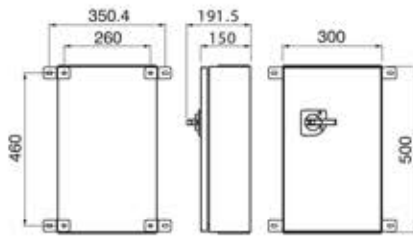
Technical Data High Range Switch Disconnectors 4P and 5P

Rated current	(A)	200	250	315	400	500	630	800	1000	1250	1600		
Rated insulation voltage	(V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Impulse withstand voltage	(kV)	12	12	12	12	12	12	12	12	12	12		
Rated thermal current	(A)	200	250	315	400	500	630	800	1000	1250	1600 (*)		
Rated operational current	AC21A	415V	(A)	200	250	315	400	500	630	800	1000	1250	1600
		500V	(A)	200	250	315	400	500	630	800	1000	1250	1600
		690V	(A)	200	250	315	400	500	630	800	1000	1250	1250
	AC22A	415V	(A)	200	250	315	400	500	630	800	1000	1250	1600
		500V	(A)	200	250	315	400	400	630	800	1000	1250	1250
		690V	(A)	200	250	315	400	400	630	800	1000	1250	400
	AC23A	415V	(A)	200	250	315	400	500	630	800	1000	1250	1250
		500V	(A)	125	200	250	315	315	500	800	800	800	800
		690V	(A)	160	160	200	250	250	400	400	400	400	400
Rated making capacity	415V AC23	(A)	2000	2500	3150	4000	4000	6300	6300	6300	6300	6300	
Rated breaking capacity	415V AC23	(A)	1600	2000	2520	3200	3200	5040	5040	5040	5040	5040	
Short circuit withstand current 1sec		(kA)	8	8	13	13	13	26.5	26.5	26.5	26.5	26.5	
Short circuit withstand current 0.25 sec		(kA)	16	16	26	26	26	53	53	53	53	53	
Short circuit making capacity	415V	(kA)	13.5	13.5	26	26	26	30	30	30	30	30	
Rated operational power	AC23A	(kW)	105	130	165	210	210	330	330	330	330	330	
Rated fuse short-circuit current	Back up fuse	(A)	200	250	315	400	400	630	800	1000	1000	-	
	R.M.S value	(kA)	50	50	50	50	50	50	100	100	100	-	
	Peak value	(kA)	20	25	25	30	30	40	70	90	100	-	
	Cable section	mm ²	120	120	185	2x150	2x150	2x185	2x240	-	-	-	
	Bars dimension	mm	20x5	20x5	2x (25x4)	2x (25x4)	2x (25x4)	2x (32x6)	2x (50x5)	2x (50x6)	2x (50x8)	2x (80x102)	

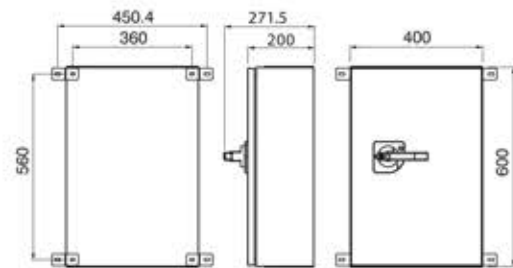
(*) Neutral pole 1250A.
Full current neutral pole available on request

Dimension Table - High Range Metal Sheet Steel Enclosure

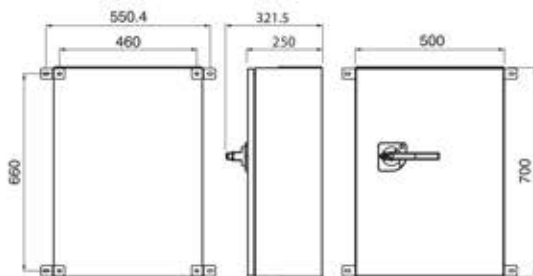
3, 3P+N POLES 200A, 250A
TOP/BOTTOM AND BOTTOM/BOTTOM ENTRIES



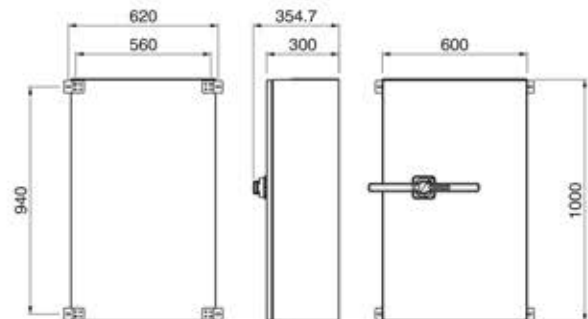
3, 3P+N POLES 315A, 400A, 500A, 630A
TOP/BOTTOM ENTRIES
AND 315A, 400A BOTTOM/BOTTOM ENTRIES



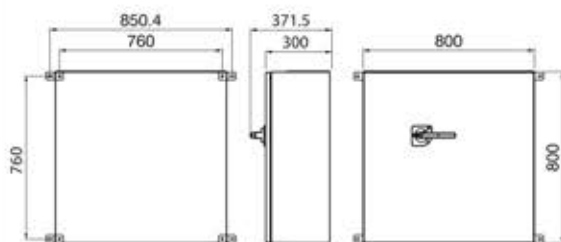
3, 3P+N POLES 800A, 1000A, 1250A
TOP/BOTTOM ENTRIES
AND 500A BOTTOM/BOTTOM ENTRIES



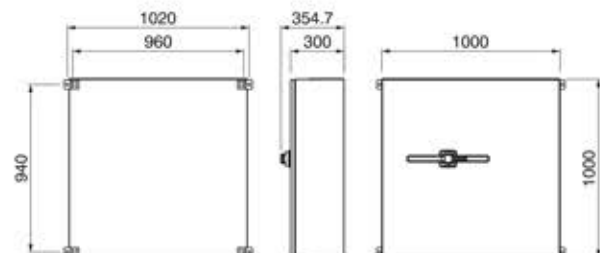
3, 3P+N POLES 1600A
TOP/BOTTOM ENTRIES



3, 3P+N POLES 630A, 800A
BOTTOM/BOTTOM ENTRIES



3, 3P+N POLES 1000A, 1250A, 1600A
BOTTOM/BOTTOM ENTRIES





High Range Metal Sheet Steel Enclosure IP65 Disconnectaa Range

Codice Prodotto	Product Code	Numero Poli	No. Pole	Corrente Nominale	Current Rating
MR 6044P20060		4P		200A	
MR 6044P25060		4P		250A	
MR 6044P31560		4P		315A	
MR 6044P40060		4P		400A	
MR 6044P50060		4P		500A	
MR 6044P63060		4P		630A	
MR 6044P80060		4P		800A	
MR 6044P100060		4P		1000A	
MR 6044P125060		4P		1250A	
MR 6044P160060		4P		1600A	
MR 6045P20060		5P		200A	
MR 6045P25060		5P		250A	
MR 6045P31560		5P		315A	
MR 6045P40060		5P		400A	
MR 6045P50060		5P		500A	
MR 6045P63060		5P		630A	
MR 6045P80060		5P		800A	
MR 6045P100060		5P		1000A	
MR 6045P125060		5P		1250A	
MR 6045P160060		5P		1600A	



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