Sub-Main Distribution Boards

Mirage Special Version

Power and productivity
for a better world™

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Mirage

Sub-main Distribution Boards

Mirage MCCB Panel Boards

- The Mirage design verified (according to IEC 61439-1&2) Sub-Main Distribution Boards have been designed for easy handling and quick, simple installation.

- Compact design ensures maximum cabling area within the enclosure.

- The Mirage system guarantees the highest level of safety and functionality combined with high quality of production.

- Removable top and bottom gland plates are provided for ease of installation and cabling.

ABB is proud to present you the result of a long and intense research and development project: the new Tmax XT up to 250A - ABB's new family of moulded-case circuit-breakers.

Standard	IEC BS EN 61439-1&2 ed.2 (2011-08)
Installation	Indoor / wall mounted
Max. load	250A (DF=1) ambient temperature +50°C / 55°C max.
Rated voltage	Un = 415V ac
Rated operational voltage	Ue =690V ac
Rated insulation voltage	U_i =800V
Rated impulse withstand voltage	U_{imp} = 6 KV
Rated frequency	f = 50/60 Hz
Range	2,4,6,8,12 and 16 TP&N ways
Incoming device	Max. 250 Amp, TP MCCB size T5N250
Outgoing device	TP MCCB size XT1
Degree of protection	IP 43 (IP 54 on request **) IP 20 For pan assembly
Color	RAL 7035 (Different RAL on request)
Internal separation	Form 2b
Mechanical impact	IK10
Neutral size	Full size
Earth size	Full size
Rated short-time withstand current	Icw (3-ph.) 36 KA (1s) at 415V, 25KA (3s) at 415V
Rated peak withstand current	75.6 KA at 415V
Enclosure material	Cold rolled sheet steel 1.5 mm (Galvanized steel on request)

** contact Local Office for dimensions

Incoming MCCB T5N250 (250A), Outgoing XT1 (160A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	160	XT1	900	800	240	GDMR25-302FXT1	1SKS 502242 C 2310	144
4	160	XT1	1000	800	240	GDMR25-304FXT1	1SKS 504242 C 2310	154
6	160	XT1	1150	800	240	GDMR25-306FXT1	1SKS 506242 C 2310	201
8	160	XT1	1150	800	240	GDMR25-308FXT1	1SKS 508242 C 2310	206
12	160	XT1	1300	800	240	GDMR25-312FXT1	1SKS 512242 C 2310	229
16	160	XT1	1380	800	240	GDMR25-316FXT1	1SKS 516242 C 2310	262

Incoming MCCB T5N250 (250A), Outgoing XT3 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	250	XT3	900	800	240	GDMR25-302FXT3	1SKS 502242 C 2319	145
4	250	XT3	1050	800	240	GDMR25-304FXT3	1SKS 504242 C 2319	166
6	250	XT3	1150	800	240	GDMR25-306FXT3	1SKS 506242 C 2319	205
8	250	XT3	1235	800	240	GDMR25-308FXT3	1SKS 508242 C 2319	211
12	250	XT3	1450	800	240	GDMR25-312FXT3	1SKS 512242 C 2319	236
16	250	XT3	1670	800	240	GDMR25-316FXT3	1SKS 516242 C 2319	272

* The ordering code does not include any incoming or outgoing devices.
* The ordering code include Pan Assembly.
* Fixed capacity means that all the outgoing devices are similar in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- IP44 panel protection in front for T5, Type No. 1SDA065809R1
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Incoming MCCB T5N250 (250A), Outgoing XT1 (160A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	160	XT1	543	502	130	GDMR25-PA302FXT1	1SKS 502102 C 2310	80
4	160	XT1	623	502	130	GDMR25-PA304FXT1	1SKS 504102 C 2310	100
6	160	XT1	703	502	130	GDMR25-PA306FXT1	1SKS 506102 C 2310	120
8	160	XT1	783	502	130	GDMR25-PA308FXT1	1SKS 508102 C 2310	125
12	160	XT1	943	502	130	GDMR25-PA312FXT1	1SKS 512102 C 2310	135
16	160	XT1	1103	502	130	GDMR25-PA316FXT1	1SKS 516102 C 2310	156

Incoming MCCB T5N250 (250A), Outgoing XT3 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	250	XT3	596	502	130	GDMR25-PA302FXT3	1SKS 502102 C 2319	81
4	250	XT3	676	502	130	GDMR25-PA304FXT3	1SKS 504102 C 2319	102
6	250	XT3	783	502	130	GDMR25-PA306FXT3	1SKS 506102 C 2319	124
8	250	XT3	890	502	130	GDMR25-PA308FXT3	1SKS 508102 C 2319	130
12	250	XT3	1104	502	130	GDMR25-PA312FXT3	1SKS 512102 C 2319	142
16	250	XT3	1318	502	130	GDMR25-PA316FXT3	1SKS 516102 C 2319	166

* The ordering code does not include any incoming or outgoing devices.
* Fixed capacity means that all the outgoing devices are similar in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Standard	IEC BS EN 61439-1&2 ed.2 (2011-08)
Installation	Indoor / wall mounting
Max. load	400A (400A At DF=1) ambient temperature +50°C / 55°C max.
Rated voltage	Un = 415V ac
Rated operational voltage	Ue =690V ac
Rated insulation voltage	U_i =800V
Rated impulse withstand voltage	U_{imp} = 6 KV
Rated frequency	f = 50/60 Hz
Range	4,6,8,12 and 16 TP&N ways
Incoming device	Max. 400 Amp, TP MCCB size T6N630
Outgoing device	TP MCCB size XT1 TP MCCB size XT3
Degree of protection	IP 43 (IP 54 on request **) IP 20 For pan assembly
Color	RAL 7035 (Different RAL on request)
Internal separation	Form 2b
Mechanical impact	IK10
Neutral size	Full size
Earth size	Full size
Rated short-time withstand current	Icw (3-ph.) 36 KA (1s) at 415V, 25KA (3s) at 415V
Rated peak withstand current	75.6 KA at 415V
Enclosure material	Cold rolled sheet steel 1.5 mm (Galvanized steel on request)

** contact Local Office for dimensions

Incoming MCCB T6N630 (400A), Outgoing XT1 (160A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	160	XT1	1073	800	240	GDMR40-304FXT1	1SKS 504242 C 4310	164
6	160	XT1	1150	800	240	GDMR40-306FXT1	1SKS 506242 C 4310	201
8	160	XT1	1227	800	240	GDMR40-308FXT1	1SKS 508242 C 4310	206
12	160	XT1	1380	800	240	GDMR40-312FXT1	1SKS 512242 C 4310	229
16	160	XT1	1535	800	240	GDMR40-316FXT1	1SKS 516242 C 4310	262

Incoming MCCB T6N630 (400A), Outgoing XT3 (250), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	XT3	1150	800	240	GDMR40-304FXT3	1SKS 504242 C 4319	106
6	250	XT3	1255	800	240	GDMR40-306FXT3	1SKS 506242 C 4319	205
8	250	XT3	1360	800	240	GDMR40-308FXT3	1SKS 508242 C 4319	211
12	250	XT3	1570	800	240	GDMR40-312FXT3	1SKS 512242 C 4319	236
16	250	XT3	1780	800	240	GDMR40-316FXT3	1SKS 516242 C 4319	272

Incoming MCCB T6N630 (400A), Outgoing XT1 (160A) + XT3 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	160A+250A	2XT3+4XT1	1150	800	240	GDMR40-306MXT01	1SKS 506242 C 3501	199
8	160A+250A	2XT3+6XT1	1255	800	240	GDMR40-308MXT02	1SKS 508242 C 3502	204
12	160A+250A	2XT3+10XT1	1380	800	240	GDMR40-312MXT03	1SKS 512242 C 3503	227
16	160A+250A	4XT3+12XT1	1780	800	240	GDMR40-316MXT04	1SKS 516242 C 3504	360

* The ordering code does not include any incoming or outgoing devices.
* The ordering code include Pan Assembly.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Rotary Handle Type: RHE-EM, for T6, Kit No. 1SDA 060410 R1
With IP 54 Protection Kit Type: RHE-IP54, for T4-T7, Kit No. 1SDA 054938 R1
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Incoming MCCB T6N630 (400A), Outgoing XT1 (160A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	160	XT1	701	502	130	GDMR40-PA304FXT1	1SKS 504102 C 4310	100
6	160	XT1	781	502	130	GDMR40-PA306FXT1	1SKS 506102 C 4310	120
8	160	XT1	831	502	130	GDMR40-PA308FXT1	1SKS 508102 C 4310	125
12	160	XT1	991	502	130	GDMR40-PA312FXT1	1SKS 512102 C 4310	135
16	160	XT1	1151	502	130	GDMR40-PA316FXT1	1SKS 516102 C 4310	156

Incoming MCCB T6N630 (400A), Outgoing XT3 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	XT3	754	502	130	GDMR40-PA304FXT3	1SKS 504102 C 4319	102
6	250	XT3	861	502	130	GDMR40-PA306FXT3	1SKS 506102 C 4319	124
8	250	XT3	968	502	130	GDMR40-PA308FXT3	1SKS 508102 C 4319	130
12	250	XT3	1182	502	130	GDMR40-PA312FXT3	1SKS 512102 C 4319	142
16	250	XT3	1396	502	130	GDMR40-PA316FXT3	1SKS 516102 C 4319	166

Incoming MCCB T6N630 (400A), Outgoing XT1 (160A) + XT3 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	160A+250A	2XT3+4XT1	806	502	130	GDMR40-PA306MXT01	1SKS 506102 C 3501	118
8	160A+250A	2XT3+4XT1	886	502	130	GDMR40-PA308MXT02	1SKS 508102 C 3502	123
12	160A+250A	2XT3+4XT1	1046	502	130	GDMR40-PA312MXT03	1SKS 512102 C 3503	133
16	160A+250A	2XT3+4XT1	1073	502	130	GDMR40-PA316MXT04	1SKS 516102 C 3504	154

* The ordering code does not include any incoming or outgoing devices.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Standard	IEC BS EN 61439-1&2 ed.2 (2011-08)
Max. load	630A (630A At DF=1) ambient temperature +50°C / 55°C max.
Rated voltage	Un = 415V ac
Rated operational voltage	Ue =690V ac
Rated insulation voltage	Ui =800V
Rated impulse withstand voltage	Uimp = 6 KV
Rated frequency	f = 50/60 Hz
Range	4,6,8,12 and 16 TP&N ways
Incoming device	Max.630 Amp, TP MCCB size T6S800-630A PR221DS LS/I
Outgoing device	TP MCCB size XT1 TP MCCB size XT3
Degree of protection	IP 43 (IP 54 on request **) IP 20 For pan assembly
Color	RAL 7035 (Different RAL on request)
Internal separation	Form 2b
Mechanical impact	IK10
Neutral size	Full size
Earth size	Full size
Rated short-time withstand current	Icw (3-ph.) 36 KA (1s) at 415V, 25 KA (3s) at 415V, and Icc (3-ph) 50 KA
Rated peak withstand current	105 KA at 415V
Enclosure material	Cold rolled sheet steel 1.5 mm (Galvanized steel on request)

** contact Local Office for dimensions

Incoming MCCB T6N 800 (630A), Outgoing XT1 (160A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	160	XT1	1073	800	240	GDMR63-304FXT1	1SKS 504242 C 6310	181
6	160	XT1	1150	800	240	GDMR63-306FXT1	1SKS 506242 C 6310	217
8	160	XT1	1227	800	240	GDMR63-308FXT1	1SKS 508242 C 6310	223
12	160	XT1	1380	800	240	GDMR63-312FXT1	1SKS 512242 C 6310	260
16	160	XT1	1535	800	240	GDMR63-316FXT1	1SKS 516242 C 6310	282

Incoming MCCB T6N 800 (630A), Outgoing XT3 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	XT3	1150	800	240	GDMR63-304FXT3	1SKS 504242 C 6319	183
6	250	XT3	1255	800	240	GDMR63-306FXT3	1SKS 506242 C 6319	221
8	250	XT3	1360	800	240	GDMR63-308FXT3	1SKS 508242 C 6319	228
12	250	XT3	1570	800	240	GDMR63-312FXT3	1SKS 512242 C 6319	267
16	250	XT3	1780	800	240	GDMR63-316FXT3	1SKS 516242 C 6319	292

Incoming MCCB T6N800 (630A), Outgoing XT1 (160A) + XT3 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	160A+250A	2XT3+4XT1	1255	800	240	GDMR63-306MXT05	1SKS 506242 C 3505	215
8	160A+250A	2XT3+6XT1	1360	800	240	GDMR63-308MXT06	1SKS 508242 C 3506	234
12	160A+250A	2XT3+10XT1	1570	800	240	GDMR63-312MXT07	1SKS 512242 C 3507	258
12	160A+250A	1XT4+1XT3+ 10XT1	1570	800	240	GDMR63-312MXT77	1SKS 512242 C 3577	259
16	160A+250A	6XT3 + 10XT1	1780	800	240	GDMR63-316MXT08	1SKS 516242 C 3508	280

* The ordering code does not include any incoming or outgoing devices.
* The ordering code include Pan Assembly.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Rotary Handle Type: RHE-EM, for T6, Kit No. 1SDA 060410 R1
With IP 54 Protection Kit Type: RHE-IP54, for T4-T7, Kit No. 1SDA 054938 R1
- Copper Kits: 1 Kit EF T6 800 - S6 800, 3 pcs, Kit No. 1SDA 023383 R1
1 Kit EF T6 1000 - S6 1000, 3 pcs, Kit No. 1SDA 064319 R1

Incoming MCCB T6N 800 (630A), Outgoing XT1 (160A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	160	XT1	701	502	125	GDMR63-PA304FXT1	1SKS 504102 C 6310	117
6	160	XT1	781	502	125	GDMR63-PA306FXT1	1SKS 506102 C 6310	136
8	160	XT1	831	502	125	GDMR63-PA308FXT1	1SKS 508102 C 6310	142
12	160	XT1	991	502	125	GDMR63-PA312FXT1	1SKS 512102 C 6310	166
16	160	XT1	1151	502	125	GDMR63-PA316FXT1	1SKS 516102 C 6310	176

Incoming MCCB T6N 800 (630A), Outgoing XT3 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	XT3	754	502	130	GDMR63-PA304FXT3	1SKS 504102 C 6319	119
6	250	XT3	861	502	130	GDMR63-PA306FXT3	1SKS 506102 C 6319	140
8	250	XT3	968	502	130	GDMR63-PA308FXT3	1SKS 508102 C 6319	147
12	250	XT3	1182	502	130	GDMR63-PA312FXT3	1SKS 512102 C 6319	173
16	250	XT3	1396	502	130	GDMR63-PA316FXT3	1SKS 516102 C 6319	186

Incoming MCCB T6N 800 (630A), outgoing XT1 (160A) + XT3 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	160A+250A	2XT3+4XT1	806	502	130	GDMR63-PA306MXT05	1SKS 506102 C 3505	134
8	160A+250A	2XT3+6XT1	886	502	130	GDMR63-PA308MXT06	1SKS 508102 C 3506	140
12	160A+250A	2XT3+10XT1	1046	502	130	GDMR63-PA312MXT07	1SKS 512102 C 3507	164
12	160A+250A	1XT4+1XT3 +10XT1	1056	502	130	GDMR63-PA312MXT77	1SKS 512102 C 3577	165
16	160A+250A	6XT3+10XT1	1260	502	130	GDMR63-PA316MXT08	1SKS 516102 C 3508	174

* The ordering code does not include any incoming or outgoing devices.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following:
1 Kit EF T6 1000 - S6 1000, 3 pcs, Kit No. 1SDA 064319 R1

FORMULA is the expression of all ABB's long experience of several decades in all its effectiveness: FORMULA was born basic, but is able to amaze with its extreme versatility of use.

Standard	IEC BS EN 61439-1&2 ed.2 (2011-08)
Installation	Indoor / wall mounted
Max. load	250A (DF=1) ambient temperature +50°C
Rated voltage	Un = 415V ac
Rated operational voltage	Ue =550V ac
Rated insulation voltage	U_i =690V
Rated impulse withstand voltage	U_{imp} = 6 KV
Rated frequency	f = 50/60 Hz
Range	2,4,6,8,12 and 16 TP&N ways
Incoming device	Max. 250 Amp, TP MCCB size T5N250
Outgoing device	TP MCCB size A1 TP MCCB size A2
Degree of protection	IP 43 IP 20 For pan assembly
Color	RAL 7035
Internal separation	Form 2b
Mechanical impact	IK10
Neutral size	Full size
Earth size	Full size
Rated short-time withstand current	Icw (3-ph.) 36 KA (1s) at 415V
Rated peak withstand current	75.6 KA at 415V
Enclosure material	Cold rolled sheet steel 1.5 mm (Galvanized steel on request)

Incoming MCCB T5N250 (250A), Outgoing A1 (125A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	125	A1	900	800	240	GDMR25-302FA1	1SKS 702242 C 2310	143
4	125	A1	1000	800	240	GDMR25-304FA1	1SKS 704242 C 2310	162
6	125	A1	1150	800	240	GDMR25-306FA1	1SKS 706242 C 2310	199
8	125	A1	1150	800	240	GDMR25-308FA1	1SKS 708242 C 2310	203
12	125	A1	1300	800	240	GDMR25-312FA1	1SKS 712242 C 2310	224
16	125	A1	1380	800	240	GDMR25-316FA1	1SKS 716242 C 2310	256

Incoming MCCB T5N250 (250A), Outgoing A2 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	250	A2	900	800	240	GDMR25-302FA2	1SKS 702242 C 2319	144
4	250	A2	1050	800	240	GDMR25-304FA2	1SKS 704242 C 2319	164
6	250	A2	1150	800	240	GDMR25-306FA2	1SKS 706242 C 2319	201
8	250	A2	1235	800	240	GDMR25-308FA2	1SKS 708242 C 2319	206
12	250	A2	1450	800	240	GDMR25-312FA2	1SKS 712242 C 2319	229
16	250	A2	1670	800	240	GDMR25-316FA2	1SKS 716242 C 2319	262

Incoming MCCB T5N250 (250A), Outgoing A1 (125A) + A2 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	125A+250A	2A2+4A1	1150	800	240	GDMR25-306MA01	1SKS 706242 C 3501	196
8	125A+250A	2A2 +6A1	1235	800	240	GDMR25-308MA02	1SKS 708242 C 3502	200
12	125A+250A	2A2+10A1	1380	800	240	GDMR25-312MA03	1SKS 712242 C 3503	220

* For SP-A1 use with insert type.
* The ordering code does not include any incoming or outgoing devices.
* The ordering code include Pan Assembly.
* Fixed capacity means that all the outgoing devices are similar in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- IP44 panel protection in front for T5, Type No. 1SDA065809R1
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Incoming MCCB T5N250 (250A), Outgoing A1 (125A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	125	A1	543	502	130	GDMR25-PA302FA1	1SKS 702102 C 2310	79
4	125	A1	623	502	130	GDMR25-PA304FA1	1SKS 704102 C 2310	98
6	125	A1	703	502	130	GDMR25-PA306FA1	1SKS 706102 C 2310	118
8	125	A1	783	502	130	GDMR25-PA308FA1	1SKS 708102 C 2310	122
12	125	A1	943	502	130	GDMR25-PA312FA1	1SKS 712102 C 2310	130
16	125	A1	1103	502	130	GDMR25-PA316FA1	1SKS 716102 C 2310	150

Incoming MCCB T5N250 (250A), Outgoing A2 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
2	250	A2	569	502	130	GDMR25-PA302FA2	1SKS 702102 C 2319	80
4	250	A2	676	502	130	GDMR25-PA304FA2	1SKS 704102 C 2319	100
6	250	A2	783	502	130	GDMR25-PA306FA2	1SKS 706102 C 2319	120
8	250	A2	890	502	130	GDMR25-PA308FA2	1SKS 708102 C 2319	125
12	250	A2	1104	502	130	GDMR25-PA312FA2	1SKS 712102 C 2319	135
16	250	A2	1318	502	130	GDMR25-PA316FA2	1SKS 716102 C 2319	156

Incoming MCCB T5N250 (250A), outgoing A1 (125A) + A2 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	125A+250A	2A2+4A1	728	502	130	GDMR25-PA306MA01	1SKS 706102 C 3501	115
8	125A+250A	2A2+6A1	808	502	130	GDMR25-PA308MA02	1SKS 708102 C 3502	119
12	125A+250A	4A2+8A1	968	502	130	GDMR25-PA312MA03	1SKS 712102 C 3503	126

* For SP-A1 use with insert type.
* The ordering code does not include any incoming or outgoing devices.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following:
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Standard	IEC BS EN 61439-1&2 ed.2 (2011-08)
Installation	Indoor / wall mounted
Max. load	400A (400A At DF=1) ambient temperature +50°C
Rated voltage	Un = 415V ac
Rated operational voltage	Ue =550V ac
Rated insulation voltage	U_i =690V
Rated impulse withstand voltage	U_{imp} = 6 KV
Rated frequency	f = 50/60 Hz
Range	4,6,8,12 and 16 TP&N ways
Incoming device	Max. 400 Amp, TP MCCB size T6N630
Outgoing device	TP MCCB size A1 TP MCCB size A2
Degree of protection	IP 43 IP 20 For pan assembly
Color	RAL 7035
Internal separation	Form 2b
Mechanical impact	IK10
Neutral size	Full size
Earth size	Full size
Rated short-time withstand current	Icw (3-ph.) 36 KA (1s) at 415V
Rated peak withstand current	75.6 KA at 415V
Enclosure material	Cold rolled sheet steel 1.5 mm (Galvanized steel on request)

Incoming MCCB T6N 630 (400A), Outgoing A1 (125A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	125	A1	1073	800	240	GDMR40-304FA1	1SKS 704242 C 4310	162
6	125	A1	1150	800	240	GDMR40-306FA1	1SKS 706242 C 4310	199
8	125	A1	1227	800	240	GDMR40-308FA1	1SKS 708242 C 4310	203
12	125	A1	1380	800	240	GDMR40-312FA1	1SKS 712242 C 4310	224
16	125	A1	1535	800	240	GDMR40-316FA1	1SKS 716242 C 4310	256

Incoming MCCB T6N630 (400A), Outgoing A2 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	A2	1150	800	240	GDMR40-304FA2	1SKS 704242 C 4319	164
6	250	A2	1255	800	240	GDMR40-306FA2	1SKS 706242 C 4319	201
8	250	A2	1360	800	240	GDMR40-308FA2	1SKS 708242 C 4319	206
12	250	A2	1570	800	240	GDMR40-312FA2	1SKS 712242 C 4319	229
16	250	A2	1780	800	240	GDMR40-316FA2	1SKS 716242 C 4319	262

Incoming MCCB T6N630 (400A), Outgoing A1 (125A) + A2 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	125A+250A	2A2+4A1	1150	800	240	GDMR40-306MA04	1SKS 706242 C 3504	196
8	125A+250A	2A2+6A1	1255	800	240	GDMR40-308MA05	1SKS 708242 C 3505	200
12	125A+250A	2A2+10A1	1380	800	240	GDMR40-312MA06	1SKS 712242 C 3506	220
16	125A+250A	4A2+12A1	1780	800	240	GDMR40-316MA07	1SKS 716242 C 3507	252

* The ordering code does not include any incoming or outgoing devices.
* The ordering code include Pan Assembly.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Rotary Handle Type: RHE-EM, for T6, Kit No. 1SDA 060410 R1
  With IP 54 Protection Kit Type: RHE-IP54, for T4-T7, Kit No. 1SDA 054938 R1
- Copper Kit, 2 Kits EF T6 800 - S6 800, 3 pcs, Kit No. 1SDA 023383 R1

Incoming MCCB T6N 630 (400A), Outgoing A1 (125A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	125	A1	701	502	130	GDMR40-PA304FA1	1SKS 704102 C 4310	98
6	125	A1	781	502	130	GDMR40-PA306FA1	1SKS 706102 C 4310	118
8	125	A1	831	502	130	GDMR40-PA308FA1	1SKS 708102 C 4310	122
12	125	A1	991	502	130	GDMR40-PA312FA1	1SKS 712102 C 4310	130
16	125	A1	1151	502	130	GDMR40-PA316FA1	1SKS 716102 C 4310	150

Incoming MCCB T6N 630 (400A), Outgoing A2 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	A2	754	502	130	GDMR40-PA304FA2	1SKS 704102 C 4319	100
6	250	A2	861	502	130	GDMR40-PA306FA2	1SKS 706102 C 4319	120
8	250	A2	968	502	130	GDMR40-PA308FA2	1SKS 708102 C 4319	125
12	250	A2	1182	502	130	GDMR40-PA312FA2	1SKS 712102 C 4319	135
16	250	A2	1396	502	130	GDMR40-PA316FA2	1SKS 716102 C 4319	156

Incoming MCCB T6N 630 (400A), Outgoing A1 (125A) + A2 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	125A+250A	2A2+4A1	806	502	130	GDMR40-PA306MA04	1SKS 706102 C 3504	115
8	125A+250A	2A2+6A1	886	502	130	GDMR40-PA308MA05	1SKS 708102 C 3505	119
12	125A+250A	2A2+10A1	1046	502	130	GDMR40-PA312MA06	1SKS 712102 C 3506	125
16	125A+250A	4A2+12A1	1073	502	130	GDMR40-PA316MA07	1SKS 716102 C 3507	146

* The ordering code does not include any incoming or outgoing devices.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Copper Kit for ES T5, 3 pcs, Type No. 1SDA055040R1

Standard	IEC BS EN 61439-1&2 ed.2 (2011-08)
Installation	Indoor / wall mounted
Max. load	630A (630A At DF=1) ambient temperature +50°C
Rated voltage	Un = 415V ac
Rated operational voltage	Ue =550V ac
Rated insulation voltage	U_i =690V
Rated impulse withstand voltage	U_{imp} = 6 KV
Rated frequency	f = 50/60 Hz
Range	4,6,8,12 and 16 TP&N ways
Incoming device	Max. 630 Amp, TP MCCB size T6N800-630A PR221DS LS/I
Outgoing device	TP MCCB size A1 TP MCCB size A2
Degree of protection	IP 43 IP 20 For pan assembly
Color	RAL 7035
Internal separation	Form 2b
Mechanical impact	IK10
Neutral size	Full size
Earth size	Full size
Rated short-time withstand current	Icw (3-ph.) 36 KA (1s) at 415V
Rated peak withstand current	75.6 KA at 415V
Enclosure material	Cold rolled sheet steel 1.5 mm (Galvanized steel on request)

Incoming MCCB T6N 800 (630A), Outgoing A1 (125A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	160	A1	1073	800	240	GDMR63-304FA1	1SKS 704242 C 6310	179
6	160	A1	1150	800	240	GDMR63-306FA1	1SKS 706242 C 6310	215
8	160	A1	1227	800	240	GDMR63-308FA1	1SKS 708242 C 6310	220
12	160	A1	1380	800	240	GDMR63-312FA1	1SKS 712242 C 6310	255
16	160	A1	1535	800	240	GDMR63-316FA1	1SKS 716242 C 6310	276

Incoming MCCB T6N 800 (630A), Outgoing A2 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	A2	1150	800	240	GDMR63-304FA2	1SKS 704242 C 6319	181
6	250	A2	1255	800	240	GDMR63-306FA2	1SKS 706242 C 6319	217
8	250	A2	1360	800	240	GDMR63-308FA2	1SKS 708242 C 6319	223
12	250	A2	1570	800	240	GDMR63-312FA2	1SKS 712242 C 6319	260
16	250	A2	1780	800	240	GDMR63-316FA2	1SKS 716242 C 6319	282

Incoming MCCB T6N 800 (630A), Outgoing A1 (125A) + A2 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	125A+250A	2A2+4A1	1255	800	240	GDMR63-306MA08	1SKS 706242 C 3508	212
8	125A+250A	2A2+6A1	1360	800	240	GDMR63-308MA09	1SKS 708242 C 3509	230
12	125A+250A	2A2+10A1	1570	800	240	GDMR63-312MA10	1SKS 712242 C 3510	251
16	125A+250A	6A2+10A1	1780	800	240	GDMR63-316MA11	1SKS 716242 C 3511	272

* The ordering code does not include any incoming or outgoing devices.
* The ordering code include Pan Assembly.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following parts:
- Rotary Handle Type: RHE-EM, for T6, Kit No. 1SDA 060410 R1
  With IP 54 Protection Kit Type: RHE-IP54, for T4-T7, Kit No. 1SDA 054938 R1
- Copper Kits: 1 Kit EF T6 800 - S6 800, 3 pcs, Kit No. 1SDA 023383 R1
  1 Kit EF T6 1000 - S6 1000, 3 pcs, Kit No. 1SDA 064319 R1

Incoming MCCB T6N 800 (630A), Outgoing A1 (125A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	125	A1	701	502	130	GDMR63-PA304FA1	1SKS 704102 C 6310	115
6	125	A1	781	502	130	GDMR63-PA306FA1	1SKS 706102 C 6310	134
8	125	A1	831	502	130	GDMR63-PA308FA1	1SKS 708102 C 6310	139
12	125	A1	991	502	130	GDMR63-PA312FA1	1SKS 712102 C 6310	161
16	125	A1	1151	502	130	GDMR63-PA316FA1	1SKS 716102 C 6310	170

Incoming MCCB T6N 800 (630A), Outgoing A2 (250A), fixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
4	250	A2	754	502	130	GDMR63-PA304FA2	1SKS 704102 C 6319	117
6	250	A2	861	502	130	GDMR63-PA306FA2	1SKS 706102 C 6319	136
8	250	A2	968	502	130	GDMR63-PA308FA2	1SKS 708102 C 6319	142
12	250	A2	1182	502	130	GDMR63-PA312FA2	1SKS 712102 C 6319	166
16	250	A2	1396	502	130	GDMR63-PA316FA2	1SKS 716102 C 6319	176

Incoming MCCB T6N 800 (630A), Outgoing A1 (125A) + A2 (250A), mixed capacity

No Of ways	Rating Ampere	Outgoing Type	Dimensions H	W	D	Ordering details Type code	Type No.	Weight Kg
6	125A+250A	2A2+4A1	806	502	130	GDMR63-PA306MA08	1SKS 706102 C 3508	131
8	125A+250A	2A2+6A1	886	502	130	GDMR63-PA308MA09	1SKS 708102 C 3509	136
12	125A+250A	2A2+10A1	1046	502	130	GDMR63-PA312MA10	1SKS 712102 C 3510	157
16	125A+250A	4A2+12A1	1260	502	130	GDMR63-PA316MA11	1SKS 716102 C 3511	166

* The ordering code does not include any incoming or outgoing devices.
* Fixed capacity means that all the outgoing devices are similar in type.
* Mixed capacity means that all the outgoing devices are different in type.
* To fully comply with the test certificate, the panel builder has to fit the following:
- Copper Kits: 1 Kit EF T6 800 - S6 800, 3 pcs, Kit No. 1SDA 023383 R1
  1 Kit EF T6 1000 - S6 1000, 3 pcs, Kit No. 1SDA 064319 R

Mirage 250, Mirage 400, and Mirage 630

Top extension box kit

Type	Dimensions			Ordering details		Weight
	H	W	D	Type code	Type No.	Kg
Blank cover 250 mm height	250	800	205	GDMR63-ATB2BN	1SKA 660448 C 4105	7.5
Blank cover 400 mm height	400	800	205	GDMR63-ATB4BN	1SKA 660448 C 4106	10
Measuring 250 mm height	250	800	205	GDMR63-ATM2AN	1SKA 660448 C 4107	8
Measuring 400 mm height	400	800	205	GDMR63-ATM4AN	1SKA 660448 C 4108	10.5

Bottom extension plinth

Type	Dimensions			Ordering details		Weight
	H	W	D	Type code	Type No.	Kg
250 mm height	250	800	205	GDMR63-ABP2CN	1SKA 661448 C 4103	7.5
400 mm height	400	800	205	GDMR63-ABP2CN	1SKA 661448 C 4103	10

Dimension Details

Type	H	W	D	A	B	C
GDMR25-302FXT1 GDMR25-302FXT3 GDMR25-302FA1 GDMR25-302FA2	900	800	240	190	205	447
GDMR25-304FXT1 GDMR25-304FA1	1000	800	240	270	205	447
GDMR25-304FXT3 GDMR25-304FA2	1050	800	240	352	205	447
GDMR25-306FXT1 GDMR25-306FXT3 GDMR25-306FA1 GDMR25-306FA2	1150	800	240	459	205	447
GDMR25-306MA01	1150	800	240	459	205	447
GDMR25-308FXT1 GDMR25-308FA1	1150	800	240	459	205	447
GDMR25-308FXT3 GDMR25-308FA2	1235	800	240	556	205	447
GDMR25-308MA02	1235	800	240	556	205	447
GDMR25-312FXT1 GDMR25-312FA1	1300	800	240	590	205	447
GDMR25-312FXT3 GDMR25-312FA2	1450	800	240	780	205	447
GDMR25-312MA03	1380	800	240	750	205	447
GDMR25-316FXT1 GDMR25-316FA1	1380	800	240	750	205	447
GDMR25-316FXT3 GDMR25-316FA2	1670	800	240	994	205	447

Pan Assembly

Dimension Details

Type	H	W1	W2	B	B2	A	D	C
GDMR25-PA302FA1 GDMR25-PA302FXT1	543	502	421	482	401	55	250	235
GDMR25-PA302FA2 GDMR25-PA302FXT3	569	502	421	482	401	81	250	235
GDMR25-PA304FA1 GDMR25-PA304FXT1	623	502	421	482	401	135	250	235
GDMR25-PA304FA2 GDMR25-PA304FXT3	676	502	421	482	401	188	250	235
GDMR25-PA306FA1 GDMR25-PA306FXT1	703	502	421	482	401	215	250	235
GDMR25-PA306FA2 GDMR25-PA306FXT3	783	502	421	482	401	295	250	235
GDMR25-PA306MA01	728	502	421	482	401	240	250	235
GDMR25-PA308FA1 GDMR25-PA308FXT1	783	502	421	482	401	295	250	235
GDMR25-PA308FA2 GDMR25-PA308FXT3	890	502	421	482	401	402	250	235
GDMR25-PA308MA02	808	502	421	482	401	320	250	235
GDMR25-PA312FA1 GDMR25-PA312FXT1	943	502	421	482	401	455	250	235
GDMR25-PA312FA2 GDMR25-PA312FXT3	1104	502	421	482	401	616	250	235
GDMR25-PA312MA03	968	502	421	482	401	480	250	235
GDMR25-PA316FA1 GDMR25-PA316FXT1	1103	502	421	482	401	615	250	235
GDMR25-PA316FA2 GDMR25-PA316FXT3	1318	502	421	482	401	830	250	235

Dimension Details

Type	H	W	D	A	B	C
GDMR40-304FXT1 GDMR40-304FA1	1073	800	240	270	205	447
GDMR40-304FXT3 GDMR40-304FA2	1150	800	240	550	205	447
GDMR40-306FXT1 GDMR40-306FA1	1150	800	240	350	205	447
GDMR40-306FXT3 GDMR40-306FA2	1255	800	240	750	205	447
GDMR40-306MXT01 GDMR40-306MA04	1150	800	240	350	205	447
GDMR40-308FXT1 GDMR40-308FA1	1227	800	240	431	205	447
GDMR40-308FXT3 GDMR40-308FA2	1360	800	240	750	205	447
GDMR40-308MXT02 GDMR40-308MA05	1255	800	240	750	205	447
GDMR40-312FXT1 GDMR40-312FA1	1380	800	240	590	205	447
GDMR40-312FXT3 GDMR40-312FA2	1570	800	240	1150	205	447
GDMR40-312MXT03 GDMR40-312MA06	1380	800	240	590	205	447
GDMR40-316FXT1 GDMR40-316FA1	1535	800	240	750	205	447
GDMR40-316FXT3 GDMR40-316FA2	1780	800	240	1150	205	447
GDMR40-316MXT04 GDMR40-316MA07	1780	800	240	1150	205	447

Pan Assembly

Dimension Details

Type	H	W1	W2	B	B2	A	D	C
GDMR40-PA304FA1 GDMR40-PA304FXT1	701	502	560	482	401	135	267	296
GDMR40-PA304FA2 GDMR40-PA304FXT3	754	502	560	482	401	188	267	296
GDMR40-PA306FA1 GDMR40-PA306FXT1	781	502	560	482	401	215	267	296
GDMR40-PA306FA2 GDMR40-PA306FXT3	861	502	560	482	401	295	267	296
GDMR40-PA306MA04 GDMR40-PA306MXT01	806	502	560	482	401	240	267	296
GDMR40-PA308FA1 GDMR40-PA308FXT1	831	502	560	482	401	295	267	296
GDMR40-PA308FA2 GDMR40-PA308FXT3	968	502	560	482	401	402	267	296
GDMR40-PA308MA05 GDMR40-PA308MXT02	886	502	560	482	401	320	267	296
GDMR40-PA312FA1 GDMR40-PA312FXT1	991	502	560	482	401	455	267	296
GDMR40-PA312FA2 GDMR40-PA312FXT3	1182	502	560	482	401	616	267	296
GDMR40-PA312MA06 GDMR40-PA312MXT03	1046	502	560	482	401	480	267	296
GDMR40-PA316FA1 GDMR40-PA316FXT1	1151	502	560	482	401	615	267	296
GDMR40-PA316FA2 GDMR40-PA316FXT3	1396	502	560	482	401	830	267	296
GDMR40-PA316MA07 GDMR40-PA316MXT04	1073	502	560	482	401	507	267	296

Dimensions Details

Type	H	W	D	A	B	C
GDMR63-304FXT1 GDMR63-304FA1	1073	800	240	270	205	447
GDMR63-304FXT3 GDMR63-304FA2	1150	800	240	550	205	447
GDMR63-306FXT1 GDMR63-306FA1	1150	800	240	350	205	447
GDMR63-306FXT3 GDMR63-306FA2	1255	800	240	750	205	447
GDMR63-306MXT05 GDMR63-306MA08	1255	800	240	750	205	447
GDMR63-308FXT1 GDMR63-308FA1	1227	800	240	431	205	447
GDMR63-308FXT3 GDMR63-308FA2	1360	800	240	750	205	447
GDMR63-308MXT06 GDMR63-308MA09	1360	800	240	750	205	447
GDMR63-312FXT1 GDMR63-312FA1	1380	800	240	590	205	447
GDMR63-312FXT3 GDMR63-312FA2	1570	800	240	1150	205	447
GDMR63-312MXT07 GDMR63-312MXT77 GDMR63-312MA10	1570	800	240	1150	205	447
GDMR63-316FXT1 GDMR63-316FA1	1535	800	240	750	205	447
GDMR63-316FXT3 GDMR63-316FA2	1780	800	240	1150	205	447
GDMR63-316MXT08 GDMR63-316MA11	1780	800	240	1150	205	447

Pan Assembly

Dimension Details

Type	H	W1	W2	B	B2	A	D	C
GDMR63-PA304FXT1 GDMR63-PA304FA1	701	502	560	482	401	135	267	296
GDMR63-PA304FXT3 GDMR63-PA304FA2	754	502	560	482	401	188	267	296
GDMR63-PA306FXT1 GDMR63-PA306FA1	781	502	560	482	401	215	267	296
GDMR63-PA306FXT3 GDMR63-PA306FA2	861	502	560	482	401	295	267	296
GDMR63-PA306MXT05 GDMR63-PA306MA08	806	502	560	482	401	240	267	296
GDMR63-PA308FXT1 GDMR63-PA308FA1	831	502	560	482	401	295	267	296
GDMR63-PA308FXT3 GDMR63-PA308FA2	968	502	560	482	401	402	267	296
GDMR63-PA308MXT06 GDMR63-PA308MA09	886	502	560	482	401	320	267	296
GDMR63-PA312FXT1 GDMR63-PA312FA1	991	502	560	482	401	455	267	296
GDMR63-PA312FXT3 GDMR63-PA312FA2	1182	502	560	482	401	616	267	296
GDMR63-PA312MXT07 GDMR63-PA312MA10 GDMR63-PA312MXT77	1046	502	560	482	401	480	267	296
GDMR63-PA316FXT1 GDMR63-PA316FA1	1151	502	560	482	401	615	267	296
GDMR63-PA316FXT3 GDMR63-PA316FA2	1396	502	560	482	401	830	267	296
GDMR63-PA316MXT08 GDMR63-PA316MA11	1260	502	560	482	401	694	267	296

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