

■ Enclosed switch disconnectors >> Surface mounting - Thermoplastic version [16A÷40A] EM

ISOLATORS Series

590.



For emergency

SWITCH DISCONNECTOR

IP65

EMERGENCY



Current	Poles	Switch size	Dimension		
16A	6P	Y3	155x210x107mm	590.EM1606	1/5
	8P			590.EM1608 ¹	1/5
20A	2P	Y1	105x150x82mm	590.EM2012	1/12
	3P			590.EM2013	1/12
	4P			590.EM2014	1/12
	3P+N			590.EM2015 ¹	1/12
	6P			590.EM2506	1/5
25A	8P	Y3	155x210x107mm	590.EM2508 ¹	1/5
	2P			590.EM3212	1/12
32A	3P	Y1	105x150x82mm	590.EM3213	1/12
	4P			590.EM3214	1/12
	3P+N			590.EM3215 ¹	1/12
	6P			590.EM3206	1/5
	8P			590.EM3208 ¹	1/5
40A	2P	Y1	105x150x82mm	590.EM4012	1/12
	3P			590.EM4013	1/12
	4P			590.EM4014	1/12
	3P+N			590.EM4015 ¹	1/12
	6P			590.EM4006	1/5
	8P			590.EM4008 ¹	1/5

¹ With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock
- Break-through cable entries

■ Enclosed switch disconnectors >> Surface mounting - Thermoplastic version [63A÷160A] GE

ISOLATORS Series

590.



For general use [SPECIAL]

For general use

				SWITCH DISCONNECTOR			
				IP65	IP55	IP65	
				GENERAL			
Current	Poles	Switch size	Dimension				
63A	2P	Y2	155x210x107mm	590.EL6302 ^[1]	1/5	590.GE6302 ^[1]	1/5
	3P			590.EL6303 ^[1]	1/5	590.GE6303 ^[1]	1/5
	4P					590.GE6304 ^[1]	1/5
	3P+N	Y4	228x308x128mm	590.EL6305 ^{[2][1]}	1/5	590.GE6305 ^{[2][1]}	1/5
	6P					590.GE6306 ^[3]	1
	8P					590.GE6308 ^{[2][3]}	1
80A	2P	Y2	155x210x107mm	590.EL8002 ^[1]	1/5	590.GE8002 ^[1]	1/5
	3P			590.EL8003 ^[1]	1/5	590.GE8003 ^[1]	1/5
	4P					590.GE8004 ^[1]	1/5
	3P+N	Y4	228x308x128mm	590.EL8005 ^{[2][1]}	1/5	590.GE8005 ^{[2][1]}	1/5
	6P					590.GE8006 ^[3]	1
	8P					590.GE8008 ^{[2][3]}	1
100A	3P	Y2	155x210x107mm	590.EL10003 ^[1]	1/5	590.GE10003 ^[1]	1/5
	3P+N			590.EL10005 ^{[2][1]}	1/5	590.GE10005 ^{[2][1]}	1/5
	6P	Y4	228x308x128mm			590.GE10006 ^[3]	1
	8P					590.GE10008 ^{[2][3]}	1
125A	3P	Y5	308x388x128mm		590.GE12503 ^[3]	1	
	3P+N				590.GE12505 ^{[2][3]}	1	
	6P					590.GE12506 ^[3]	1
	8P					590.GE12508 ^{[2][3]}	1
160A	3P	Y5	308x388x128mm		590.GE16003 ^[3]	1	
	3P+N				590.GE16005 ^{[2][3]}	1	
	6P					590.GE16006 ^[3]	1
	8P					590.GE16008 ^{[2][3]}	1

^[1] Break-through cable entries

^[2] With late break and early make neutral pole

^[3] Blank sides

- Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
- Equipped with door interlock

1.5



Enclosed switch disconnectors >> Surface mounting - Thermoplastic version [63A÷160A] EM

ISOLATORS Series

590.



For emergency

SWITCH DISCONNECTOR

IP55

IP65

EMERGENCY

Current	Poles	Switch size	Dimension			
63A	2P	Y2	155x210x107mm		590.EM6302 [1]	1/5
	3P				590.EM6303 [1]	1/5
	4P				590.EM6304 [1]	1/5
	3P+N				590.EM6305 [2] [1]	1/5
	6P	Y4	228x308x128mm	590.EM6306 [3]	1	
	8P			590.EM6308 [2] [3]	1	
80A	2P	Y2	155x210x107mm		590.EM8002 [1]	1/5
	3P				590.EM8003 [1]	1/5
	4P				590.EM8004 [1]	1/5
	3P+N				590.EM8005 [2] [1]	1/5
	6P	Y4	228x308x128mm	590.EM8006 [3]	1	
	8P			590.EM8008 [2] [3]	1	
100A	3P	Y2	155x210x107mm		590.EM10003 [1]	1/5
	3P+N				590.EM10005 [2] [1]	1/5
	6P	Y4	228x308x128mm	590.EM10006 [3]	1	
	8P			590.EM10008 [2] [3]	1	
	3P			590.EM12503 [3]	1	
	3P+N			590.EM12505 [2] [3]	1	
125A	6P	Y5	308x388x128mm	590.EM12506 [3]	1	
	8P			590.EM12508 [2] [3]	1	
	3P			590.EM16003 [3]	1	
	3P+N			590.EM16005 [2] [3]	1	
160A	6P			590.EM16006 [3]	1	
	8P			590.EM16008 [2] [3]	1	

[1] Break-through cable entries

[2] With late break and early make neutral pole

[3] Blank sides

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock

■ Enclosed switch disconnectors >> Surface mounting - Thermoplastic version

			ISOLATORS Series	
			590.	
				
			For general use	
			SWITCH DISCONNECTOR	
			IP65	
			GENERAL	
Current	Poles	Dimension		
20A	1P	82x120x69mm	590.GE2021	1/12
32A			590.GE3221	1/12
40A			590.GE4021	1/12

- Single pole switch, not suitable to receive door-locking kit.
- Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
- Break-through cable entries
- Suitable to switch single phase motor loads or other inductive loads
- Integrated switch

1.5

■ Enclosed switch disconnectors >> Surface mounting [HD] - Engineering plastic version - Heavy Duty

ISOLATORS-HD Series

590.



For emergency



For general use

SWITCH DISCONNECTOR

IP66

EMERGENCY

GENERAL



Current	Poles	Switch size	Dimension	EMERGENCY		GENERAL	
20A	2P	Y1	226x306x115mm				
	3P			590.JEM2002	1/12	590.JGE2002	1/12
	3P+N			590.JEM2003	1/12	590.JGE2003	1/12
	590.JEM2005 ¹			1/12	590.JGE2005 ¹	1/12	
32A	2P			590.JEM3202	1/12	590.JGE3202	1/12
	3P			590.JEM3203	1/12	590.JGE3203	1/12
	3P+N			590.JEM3205 ¹	1/12	590.JGE3205 ¹	1/12
40A	2P			590.JEM4002	1/12	590.JGE4002	1/12
	3P			590.JEM4003	1/12	590.JGE4003	1/12
	3P+N	590.JEM4005 ¹	1/12	590.JGE4005 ¹	1/12		

¹ With late break and early make neutral pole

- Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
- Blank side with drilling point mark



HD
Heavy Duty

■ Enclosed switch disconnectors >> Surface mounting - Aluminium version [16A÷40A] GE

ISOLATORS Series

590.



For general use [SPECIAL]

For general use

SWITCH DISCONNECTOR	
IP65	
GENERAL	
Current	Poles
16A	6P
	8P
20A	2P
	3P
	4P
	3P+N
25A	6P
	8P
	2P
	3P
	4P
	3P+N
32A	6P
	8P
	2P
	3P
	4P
	3P+N
40A	6P
	8P
	2P
	3P
	4P
	3P+N
	6P
	8P

Dimension

150x210x107mm

105x150x82mm

150x210x107mm

105x150x82mm

150x210x107mm

105x150x82mm

150x210x107mm

1 With late break and early make neutral pole

- Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
- Equipped with door interlock
- Open threaded cable entry with cap / cable sleeve

1.5



■ Enclosed switch disconnectors >> Surface mounting - Aluminium version [16A÷40A] EM

ISOLATORS Series

590.



For emergency switching

SWITCH DISCONNECTOR

IP65

EMERGENCY

Current	Poles	Switch size	Dimension		
16A	6P	Y3	150x210x107mm	590.HEM1606	1/5
	8P			590.HEM1608 ¹	1/5
20A	2P	Y1	105x150x82mm	590.HEM2002	1/12
	3P			590.HEM2003	1/12
	4P			590.HEM2004	1/12
	3P+N			590.HEM2005 ¹	1/12
	6P			590.HEM2506	1/5
25A	8P	Y3	150x210x107mm	590.HEM2508 ¹	1/5
	2P			590.HEM3202	1/12
32A	3P	Y1	105x150x82mm	590.HEM3203	1/12
	4P			590.HEM3204	1/12
	3P+N			590.HEM3205 ¹	1/12
	6P			590.HEM3206	1/5
	8P			590.HEM3208 ¹	1/5
40A	2P	Y1	105x150x82mm	590.HEM4002	1/12
	3P			590.HEM4003	1/12
	4P			590.HEM4004	1/12
	3P+N			590.HEM4005 ¹	1/12
	6P			590.HEM4006	1/5
	8P	Y3	150x210x107mm	590.HEM4008 ¹	1/5

¹ With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock
- Open threaded cable entry with cap / cable sleeve

■ Enclosed switch disconnectors >> Surface mounting - Aluminium version [63A÷160A] GE

ISOLATORS Series

590.



For general use [SPECIAL]

For general use

SWITCH DISCONNECTOR

IP65

GENERAL

Current	Poles	Switch size	Dimension				
63A	2P	Y2	150x210x107mm	590.HE6302 ^[1]	1/5	590.HGE6302 ^[1]	1/5
	3P			590.HE6303 ^[1]	1/5	590.HGE6303 ^[1]	1/5
	4P					590.HGE6304 ^[1]	1/5
	3P+N	Y4	264x315x122mm	590.HE6305 ^{[2][1]}	1/5	590.HGE6305 ^{[2][1]}	1/5
	6P					590.HGE6306	1
	8P					590.HGE6308 ^[2]	1
80A	2P	Y2	150x210x107mm	590.HE8002 ^[1]	1/5	590.HGE8002 ^[1]	1/5
	3P			590.HE8003 ^[1]	1/5	590.HGE8003 ^[1]	1/5
	4P					590.HGE8004 ^[1]	1/5
	3P+N	Y4	264x315x122mm	590.HE8005 ^{[2][1]}	1/5	590.HGE8005 ^{[2][1]}	1/5
	6P					590.HGE8006 ^[3]	1
	8P					590.HGE8008 ^{[2][3]}	1
100A	3P	Y2	150x210x107mm	590.HE10003 ^[3]	1/5	590.HGE10003 ^[1]	1/5
	3P+N			590.HE10005 ^{[2][3]}	1/5	590.HGE10005 ^{[2][1]}	1/5
	6P	Y4	264x315x122mm			590.HGE10006 ^[3]	1
	8P					590.HGE10008 ^{[2][3]}	1
125A	3P	Y5	315x410x128mm			590.HGE12503 ^[3]	1
	3P+N					590.HGE12505 ^{[2][3]}	1
	6P					590.HGE12506 ^[3]	1
	8P					590.HGE12508 ^{[2][3]}	1
160A	3P					590.HGE16003 ^[3]	1
	3P+N					590.HGE16005 ^{[2][3]}	1
	6P					590.HGE16006 ^[3]	1
	8P					590.HGE16008 ^{[2][3]}	1

[1] Open threaded cable entry with cap / cable sleeve

[2] With late break and early make neutral pole

[3] Blank sides

- Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
- Equipped with door interlock

1.5



Enclosed switch disconnectors >> Surface mounting - Aluminium version [63A÷160A] EM

ISOLATORS Series

590.



For emergency switching

SWITCH DISCONNECTOR

IP65

EMERGENCY

Current	Poles	Switch size	Dimension		
63A	2P	Y2	150x210x107mm	590.HEM6302 ^[1]	1/5
	3P			590.HEM6303 ^[1]	1/5
	4P			590.HEM6304 ^[1]	1/5
	3P+N	Y4	264x315x122mm	590.HEM6305 ^{[2][1]}	1/5
	6P			590.HEM6306 ^[3]	1
	8P			590.HEM6308 ^{[2][3]}	1
80A	2P	Y2	150x210x107mm	590.HEM8002 ^[1]	1/5
	3P			590.HEM8003 ^[1]	1/5
	4P			590.HEM8004 ^[1]	1/5
	3P+N	Y4	264x315x122mm	590.HEM8005 ^{[2][1]}	1/5
	6P			590.HEM8006 ^[3]	1
	8P			590.HEM8008 ^{[2][3]}	1
100A	3P	Y2	150x210x107mm	590.HEM10003 ^[1]	1/5
	3P+N			590.HEM10005 ^{[2][1]}	1/5
	6P	Y4	264x315x122mm	590.HEM10006 ^[3]	1
	8P			590.HEM10008 ^{[2][3]}	1
125A	3P	Y5	315x410x128mm	590.HEM12503 ^[3]	1
	3P+N			590.HEM12505 ^{[2][3]}	1
	6P			590.HEM12506 ^[3]	1
	8P			590.HEM12508 ^{[2][3]}	1
160A	3P			590.HEM16003 ^[3]	1
	3P+N			590.HEM16005 ^{[2][3]}	1
	6P			590.HEM16006 ^[3]	1
	8P			590.HEM16008 ^{[2][3]}	1

^[1] Open threaded cable entry with cap / cable sleeve

^[2] With late break and early make neutral pole

^[3] Blank sides

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock

■ Enclosed switch disconnectors >> Surface mounting - Aluminium version [100A÷160A] - High wiring capacity terminals

				ISOLATORS Series	
				590.	
					
				For emergency switching	For general use
				SWITCH DISCONNECTOR	
				IP65	
				EMERGENCY	GENERAL
Current	Poles	Switch size	Dimension		
100A	3P	K1	264x315x112mm	590.HEM10003.W ⁵ ²	590.HGE10003.W ¹ ²
	3P+N			590.HEM10005.W ⁵ ³ ²	590.HGE10005.W ¹ ³ ²
125A	3P		315x410x150mm	590.HEM12503.W ⁵ ⁴	590.HGE12503.W ¹ ⁴
	3P+N			590.HEM12505.W ⁵ ³ ⁴	590.HGE12505.W ¹ ³ ⁴
160A	3P	K2		590.HEM16003.W ⁵ ⁴	590.HGE16003.W ¹ ⁴
	3P+N			590.HEM16005.W ⁵ ³ ⁴	590.HGE16005.W ¹ ³ ⁴

1 Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position

2 Open threaded cable entry with cap / cable sleeve

3 With late break and early make neutral pole

4 Blank sides

5 Handle padlockable in OFF only (3 padlocks)

- Switch and enclosure increased dimensions

1.5



Enclosed switch disconnectors >> Surface mounting - Stainless steel version

ISOLATORS Series

590.



For emergency switching

For general use

SWITCH DISCONNECTOR

IP65

EMERGENCY

GENERAL

Current	Poles	Switch size	Dimension				
16A	6P	Y3	226x306x115mm	590.SEM1606	1/12	590.SGE1606	1/12
	2P			590.SEM2002	1/12	590.SGE2002	1/12
20A	3P	Y1	125x165x90mm	590.SEM2003	1/12	590.SGE2003	1/12
	3P+N			590.SEM2005 ^[1]	1	590.SGE2005 ^[1]	1/12
25A	6P	Y3	226x306x115mm	590.SEM2506	1/12	590.SGE2506	1/12
	2P			590.SEM3202	1/12	590.SGE3202	1/12
32A	3P	Y1	125x165x90mm	590.SEM3203	1/12	590.SGE3203	1/12
	3P+N			590.SEM3205 ^[1]	1	590.SGE3205 ^[1]	1
	6P	Y3	226x306x115mm	590.SEM3206	1/12	590.SGE3206	1/12
	2P			590.SEM4002	1/12	590.SGE4002	1/12
40A	3P	Y1	125x165x90mm	590.SEM4003	1/12	590.SGE4003	1
	3P+N			590.SEM4005 ^[1]	1/12	590.SGE4005 ^[1]	1/12
	6P	Y3	226x306x115mm	590.SEM4006	1/12	590.SGE4006	1
	3P			590.SEM6303	1/5	590.SGE6303	1
63A	3P+N		176x226x90mm	590.SEM6305 ^[1]	1/5	590.SGE6305 ^[1]	1
	6P		226x306x115mm	590.SEM6306	1/5	590.SGE6306	1/5
	3P			590.SEM8003	1/5	590.SGE8003	1/5
80A	3P+N	Y4	176x226x90mm	590.SEM8005 ^[1]	1/5	590.SGE8005 ^[1]	1/5
	6P		226x306x115mm	590.SEM8006	1/5	590.SGE8006	1/5
	3P			590.SEM10003	1/5	590.SGE10003	1/5
100A	3P+N		176x226x90mm	590.SEM10005 ^[1]	1/5	590.SGE10005 ^[1]	1/5
	6P		226x306x115mm	590.SEM10006	1/5	590.SGE10006	1
	3P			590.SEM12503	1/5	590.SGE12503	1/5
125A	3P+N			590.SEM12505 ^[1]	1/5	590.SGE12505 ^[1]	1/5
	6P	Y5	312x412x115mm	590.SEM12506	1/5	590.SGE12506	1/5
	3P			590.SEM16003	1	590.SGE16003	1
160A	3P+N			590.SEM16005 ^[1]	1	590.SGE16005 ^[1]	1
	6P			590.SEM16006	1	590.SGE16006	1

^[1] With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock
- Blank sides

■ Enclosed switch disconnectors >> Surface mounting - Metal version (HR) - High Rating

ISOLATORS Series

590.



For general use [TOP/
BOTTOM]

For emergency switching
[TOP/BOTTOM]

				SWITCH DISCONNECTOR	
				IP65	
				GENERAL	EMERGENCY
Current	Poles	Switch size	Dimension		
160A	3P	K2	500x300x150mm	590.KGE16003 ¹	590.KEM16003 ¹
	3P+N			590.KGE16005 ^{2 1}	590.KEM16005 ^{2 1}
200A	3P	K2	300x500x150mm	590.KGE20003 ¹	590.KEM20003 ¹
	3P+N			590.KGE20005 ^{2 1}	590.KEM20005 ^{2 1}
250A	3P	K2	300x500x150mm	590.KGE25003 ¹	590.KEM25003 ¹
	3P+N			590.KGE25005 ^{2 1}	590.KEM25005 ^{2 1}
315A	3P	K3	400x600x200mm	590.KGE31503 ¹	590.KEM31503 ¹
	3P+N			590.KGE31505 ^{2 1}	590.KEM31505 ^{2 1}
400A	3P	K3	400x600x200mm	590.KGE40003 ¹	590.KEM40003 ¹
	3P+N			590.KGE40005 ^{2 1}	590.KEM40005 ^{2 1}
500A	3P	K3	400x600x200mm	590.KGE50003 ¹	590.KEM50003 ¹
	3P+N			590.KGE50005 ^{2 1}	590.KEM50005 ^{2 1}
630A	3P	K4	500x700x250mm	590.KGE63003 ¹	590.KEM63003 ¹
	3P+N			590.KGE63005 ^{2 1}	590.KEM63005 ^{2 1}
800A	3P	K5	500x700x250mm	590.KGE80003 ¹	590.KEM80003 ¹
	3P+N			590.KGE80005 ^{2 1}	590.KEM80005 ^{2 1}
1000A	3P	K5	500x700x250mm	590.KGE100003 ¹	590.KEM100003 ¹
	3P+N			590.KGE100005 ^{2 1}	590.KEM100005 ^{2 1}
1250A	3P	K6	600x1000x300mm	590.KGE125003 ¹	590.KEM125003 ¹
	3P+N			590.KGE125005 ^{2 1}	590.KEM125005 ^{2 1}
1600A	3P	K6	600x1000x300mm	590.KGE160003 ³	590.KEM160003 ³
	3P+N			590.KGE160005 ^{2 3}	590.KEM160005 ^{2 3}

¹ Full current neutral pole up to 1250A

² With late break and early make neutral pole

³ Neutral pole 1250A. Full current neutral pole on request.

- Handle padlockable in OFF only (3 padlocks)
- TOP/BOTTOM = Top/Bottom connection
- Equipped with door interlock
- Gland plate cable entry

1.5



Enclosed switch disconnectors >> Surface mounting - Metal version (HR) - High Rating

ISOLATORS Series

590.



For general use
[BOTTOM/BOTTOM]

SWITCH DISCONNECTOR

IP65

GENERAL

Current	Poles	Switch size	Dimension		
160A	3P	K2	500x300x150mm	590.KGE16003B ^[1]	1
	3P+N			590.KGE16005B ^{[2][1]}	1
200A	3P	K2	300x500x150mm	590.KGE20003B ^[1]	1
	3P+N			590.KGE20005B ^{[2][1]}	1
250A	3P	K2	300x500x150mm	590.KGE25003B ^[1]	1
	3P+N			590.KGE25005B ^{[2][1]}	1
315A	3P	K3	400x600x200mm	590.KGE31503B ^[1]	1
	3P+N			590.KGE31505B ^{[2][1]}	1
400A	3P	K3	400x600x200mm	590.KGE40003B ^[1]	1
	3P+N			590.KGE40005B ^{[2][1]}	1
500A	3P	K3	500x700x250mm	590.KGE50003B ^[1]	1
	3P+N			590.KGE50005B ^{[2][1]}	1
630A	3P	K4	800x800x300mm	590.KGE63003B ^[1]	1
	3P+N			590.KGE63005B ^{[2][1]}	1
800A	3P	K4	800x800x300mm	590.KGE80003B ^[1]	1
	3P+N			590.KGE80005B ^{[2][1]}	1
1000A	3P	K5	1000x1000x300mm	590.KGE100003B ^[1]	1
	3P+N			590.KGE100005B ^{[2][1]}	1
1250A	3P	K5	1000x1000x300mm	590.KGE125003B ^[1]	1
	3P+N			590.KGE125005B ^{[2][1]}	1
1600A	3P	K6	1000x1000x300mm	590.KGE160003B ^[3]	1
	3P+N			590.KGE160005B ^{[2][3]}	1

^[1] Full current neutral pole up to 1250A

^[2] With late break and early make neutral pole

^[3] Neutral pole 1250A. Full current neutral pole on request.

- Handle padlockable in OFF only (3 padlocks)
- BOTTOM/BOTTOM = Bottom/Bottom connection with busbar
- Equipped with door interlock
- Gland plate cable entry

Enclosed switch disconnectors >> Surface mounting - Thermoplastic version [DC]

					ISOLATORS Series		
					590.		
							
					For general use [DC]		
					SWITCH DISCONNECTOR		
					IP55		IP65
					GENERAL		
							
Current	Poles	Poles in series	Switch size	Dimension			
15A	DC	3	Y1	105x150x127mm	590.DCGE0815 ¹ ²		1/10
16A		4	Y3	105x150x98mm	590.DCGE0416 ¹ ²		1/12
20A		5		105x150x127mm	590.DCGE0820 ¹ ²		1/10
25A		6		155x210x122mm	590.DCGE0825 ¹ ²		1/5
30A		8			590.DCGE0830 ¹ ²		1/5
40A			Y5	228x308x173mm	590.DCGE0840 ³ ⁴	1	

- ¹ Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
- ² Break-through cable entries
- ³ Handle padlockable in OFF only (3 padlocks)
- ⁴ Blank sides
- Equipped with door interlock

1.5

Enclosed switch disconnecter [FUSES] >> Surface mounting - Thermoplastic version

ISOLATORS Series

590.



For emergency

For general use

SWITCH DISCONNECTOR

IP55

EMERGENCY

GENERAL

Current	Poles	Switch size	Fuse type	Dimension		
16A	2P	F1	gG 10,3x38mm	190x240x125mm	590.EMF1602	590.GEF1602
	3P				590.EMF1603	590.GEF1603
	4P				590.EMF1604	590.GEF1604
	3P+N				590.EMF1605 ^[1]	590.GEF1605 ^[1]
32A	2P	F1	gG 10,3x38mm	190x240x125mm	590.EMF3202	590.GEF3202
	3P				590.EMF3203	590.GEF3203
	4P				590.EMF3204	590.GEF3204
	3P+N				590.EMF3205 ^[1]	590.GEF3205 ^[1]
63A	3P	KF1	DIN-HN	300x380x170mm	590.EMD6303	590.GED6303
			BS		590.EMB6303	590.GEB6303
	3P+N		DIN-HN		590.EMD6305 ^[1]	590.GED6305 ^[1]
			BS		590.EMB6305 ^[1]	590.GEB6305 ^[1]
80A	3P		DIN-HN		590.EMD8003	590.GED8003
			BS		590.EMB8003	590.GEB8003
	3P+N		DIN-HN		590.EMD8005 ^[1]	590.GED8005 ^[1]
			BS		590.EMB8005 ^[1]	590.GEB8005 ^[1]
100A	3P		DIN-HN	370x450x180mm	590.EMD10003	590.GED10003
			BS		590.EMB10003	590.GEB10003
	3P+N		DIN-HN		590.EMD10005 ^[1]	590.GED10005 ^[1]
			BS		590.EMB10005 ^[1]	590.GEB10005 ^[1]
125A	3P		DIN-HN		590.EMD12503	590.GED12503
			BS		590.EMB12503	590.GEB12503
	3P+N		DIN-HN		590.EMD12505 ^[1]	590.GED12505 ^[1]
			BS		590.EMB12505 ^[1]	590.GEB12505 ^[1]
160A	3P		DIN-HN		590.EMD16003	590.GED16003
			BS		590.EMB16003	590.GEB16003
	3P+N		DIN-HN		590.EMD16005 ^[1]	590.GED16005 ^[1]
			BS		590.EMB16005 ^[1]	590.GEB16005 ^[1]

^[1] With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock
- Blank sides

■ Enclosed switch disconnecter [FUSES] >> Surface mounting - Aluminium version

					ISOLATORS Series	
					590.	
						
					For emergency switching	For general use
					SWITCH DISCONNECTOR	
					IP65	
					EMERGENCY	GENERAL
Current	Poles	Switch size	Fuse type	Dimension		
16A	2P	F1	gG 10,3x38mm	217x253x93mm	590.HEMF1602	590.HGEF1602
	3P				590.HEMF1603	590.HGEF1603
	4P				590.HEMF1604	590.HGEF1604
	3P+N				590.HEMF1605 ¹	590.HGEF1605 ¹
32A	2P	F1	gG 10,3x38mm	217x253x93mm	590.HEMF3202	590.HGEF3202
	3P				590.HEMF3203	590.HGEF3203
	4P				590.HEMF3204	590.HGEF3204
	3P+N				590.HEMF3205 ¹	590.HGEF3205 ¹
63A	3P	KF1	DIN-HN	315x410x128mm	590.HEMD6303	590.HGED6303
			BS		590.HEMB6303	590.HGEB6303
	3P+N		DIN-HN		590.HEMD6305 ¹	590.HGED6305 ¹
			BS		590.HEMB6305 ¹	590.HGEB6305 ¹
80A	3P		DIN-HN		590.HEMD8003	590.HGED8003
			BS		590.HEMB8003	590.HGEB8003
	3P+N		DIN-HN		590.HEMD8005 ¹	590.HGED8005 ¹
			BS		590.HEMB8005 ¹	590.HGEB8005 ¹

¹ With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock
- Blank sides

1.5



Switchgears

ISOLATORS Series

■ Enclosed switch disconnecter [FUSES] >> Surface mounting - Metal version (HR) - High Rating [Fuse DIN-NH]

ISOLATORS Series

590.



For general use [TOP/
BOTTOM]

For emergency switching
[TOP/BOTTOM]

SWITCH DISCONNECTOR

IP65

GENERAL

EMERGENCY

Current	Poles	Switch size	Fuse type	Dimension		
100A	3P 3P+N	KF2	DIN-HN	300x500x200mm	590.KGED10003	590.KEMD10003
					590.KGED10005 ^[1]	590.KEMD10005 ^[1]
125A	3P 3P+N				590.KGED12503	590.KEMD12503
					590.KGED12505 ^[1]	590.KEMD12505 ^[1]
160A	3P 3P+N	KF3	DIN-HN	400x600x200mm	590.KGED16003	590.KEMD16003
					590.KGED16005 ^[1]	590.KEMD16005 ^[1]
200A	3P 3P+N				590.KGED20003	590.KEMD20003
					590.KGED20005 ^[1]	590.KEMD20005 ^[1]
250A	3P 3P+N	KF4	DIN-HN	500x700x250mm	590.KGED25003	590.KEMD25003
					590.KGED25005 ^[1]	590.KEMD25005 ^[1]
315A	3P 3P+N				590.KGED31503	590.KEMD31503
					590.KGED31505 ^[1]	590.KEMD31505 ^[1]
400A	3P 3P+N	KF5	DIN-HN	600x800x300mm	590.KGED40003	590.KEMD40003
					590.KGED40005 ^[1]	590.KEMD40005 ^[1]
630A	3P 3P+N				590.KGED63003	590.KEMD63003
					590.KGED63005 ^[1]	590.KEMD63005 ^[1]

^[1] With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- TOP/BOTTOM = Top/Bottom connection
- Equipped with door interlock
- Gland plate cable entry

■ Enclosed switch disconnecter [FUSES] >> Surface mounting - Metal version (HR) - High Rating [Fuse BS]

					ISOLATORS Series			
					590.			
								
					For general use [TOP/ BOTTOM]	For emergency switching [TOP/BOTTOM]		
					SWITCH DISCONNECTOR			
					IP65			
					GENERAL	EMERGENCY		
Current	Poles	Switch size	Fuse type	Dimension				
100A	3P	KF2	BS	300x500x200mm	590.KGEB10003	590.KEMB10003		
	3P+N				590.KGEB10005 ¹	590.KEMB10005 ¹		
125A	3P				590.KGEB12503	590.KEMB12503		
	3P+N				590.KGEB12505 ¹	590.KEMB12505 ¹		
160A	3P	KF3		400x600x200mm	590.KGEB16003	590.KEMB16003		
	3P+N				590.KGEB16005 ¹	590.KEMB16005 ¹		
200A	3P	KF4			500x700x250mm	590.KGEB20003	590.KEMB20003	
	3P+N					590.KGEB20005 ¹	590.KEMB20005 ¹	
250A	3P			KF5		600x800x300mm	590.KGEB25003	590.KEMB25003
	3P+N						590.KGEB25005 ¹	590.KEMB25005 ¹
315A	3P	KF5			600x800x300mm		590.KGEB31503	590.KEMB31503
	3P+N						590.KGEB31505 ¹	590.KEMB31505 ¹
400A	3P			KF5		600x800x300mm	590.KGEB40003	590.KEMB40003
	3P+N						590.KGEB40005 ¹	590.KEMB40005 ¹
630A	3P	KF5			600x800x300mm		590.KGEB63003	590.KEMB63003
	3P+N						590.KGEB63005 ¹	590.KEMB63005 ¹

¹ With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- TOP/BOTTOM = Top/Bottom connection
- Equipped with door interlock
- Gland plate cable entry

1.5



■ Enclosed switch disconnecter [FUSES] >> Surface mounting - Metal version (HR) - High Rating

ISOLATORS Series

590.



For general use
[BOTTOM/BOTTOM]

SWITCH DISCONNECTOR

IP65

GENERAL

Current	Poles	Switch size	Fuse type	Dimension	
100A	3P	KF1	DIN-HN	300x500x200mm	590.KGED10003B
			BS		590.KGEB10003B
	3P+N		DIN-HN		590.KGED10005B ^[1]
			BS		590.KGEB10005B ^[1]
125A	3P		DIN-HN		590.KGED12503B
			BS		590.KGEB12503B
	3P+N		DIN-HN		590.KGED12505B ^[1]
			BS		590.KGEB12505B ^[1]
160A	3P		DIN-HN		590.KGED16003B
			BS		590.KGEB16003B
	3P+N		DIN-HN		590.KGED16005B ^[1] 1
			BS		590.KGEB16005B ^[1]
200A	3P	KF2	DIN-HN	400x600x250mm	590.KGED20003B
			BS		590.KGEB20003B
	3P+N		DIN-HN		590.KGED20005B ^[1]
			BS		590.KGEB20005B ^[1]
250A	3P		DIN-HN		590.KGED25003B
			BS		590.KGEB25003B
	3P+N		DIN-HN		590.KGED25005B ^[1] 1
			BS		590.KGEB25005B ^[1]

^[1] With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- BOTTOM/BOTTOM = Bottom/Bottom connection with busbar
- Equipped with door interlock
- Gland plate cable entry



I-O-II
Change-Over Switches [I-O-II]

■ Enclosed change-over switch disconnectors >> Surface mounting - Thermoplastic version

ISOLATORS Series

590.



 For general use [I-O-II]

ENCLOSED CHANGE OVER SWITCH

IP55

IP65

GENERAL

Current	Poles	Switch size	Dimension		
16A	3P 3P+N	C1	155x210x107mm		590.GE1603-C ⁵ ⁶ 1/5
					590.GE1605-C ⁵ ⁴ ⁶ 1/5
25A	3P 3P+N				590.GE2503-C ⁵ ⁶ 1/5
					590.GE2505-C ⁵ ⁴ ⁶ 1/5
32A	3P 3P+N				590.GE3203-C ⁵ ⁶ 1/5
					590.GE3205-C ⁵ ⁴ ⁶ 1/5
40A	3P 3P+N	C2	228x308x128mm		590.GE4003-C ⁵ ⁶ 1/5
					590.GE4005-C ⁵ ⁴ ⁶ 1/5
63A	3P 3P+N			590.GE6303-C ¹ ² ³ 1	
				590.GE6305-C ¹ ² ⁴ ³ 1	
80A	3P 3P+N			590.GE8003-C ¹ ² ³ 1	
				590.GE8005-C ¹ ² ⁴ ³ 1	
100A	3P 3P+N	C3	308x388x128mm	590.GE10003-C ¹ ² ³ 1	
				590.GE10005-C ¹ ² ⁴ ³ 1	
125A	3P 3P+N			590.GE12503-C ¹ ² ³ 1	
				590.GE12505-C ¹ ² ⁴ ³ 1	
160A	3P 3P+N			590.GE16003-C ¹ ² ³ 1	
				590.GE16005-C ¹ ² ⁴ ³ 1	

¹ Handle padlockable in OFF only (3 padlocks)

² Equipped with door interlock

³ Blank sides

⁴ With late break and early make neutral pole

⁵ Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position

⁶ Break-through cable entries

1.5



■ Enclosed change-over switch disconnectors >> Surface mounting - Aluminium version

ISOLATORS Series

590.



 For general use [I-O-II]

ENCLOSED CHANGE OVER SWITCH

IP65

GENERAL

Current	Poles	Switch size	Dimension		
16A	3P	C1	150x210x107mm	590.HGE1603-C ^{[5][6]}	1/5
	3P+N			590.HGE1605-C ^{[5][4][6]}	1/5
25A	3P			590.HGE2503-C ^{[5][6]}	1/5
	3P+N			590.HGE2505-C ^{[5][4][6]}	1/5
32A	3P			590.HGE3203-C ^{[5][6]}	1/5
	3P+N			590.HGE3205-C ^{[5][4][6]}	1/5
40A	3P			590.HGE4003-C ^{[5][6]}	1/5
	3P+N			590.HGE4005-C ^{[5][4][6]}	1/5
63A	3P			590.HGE6303-C ^{[1][2][3]}	1
	3P+N			590.HGE6305-C ^{[1][2][4][3]}	1
80A	3P	C2	264x315x122mm	590.HGE8003-C ^{[1][2][3]}	1
	3P+N			590.HGE8005-C ^{[1][2][4][3]}	1
100A	3P			590.HGE10003-C ^{[1][2][3]}	1
	3P+N			590.HGE10005-C ^{[1][2][4][3]}	1
125A	3P			590.HGE12503-C ^{[1][2][3]}	1
	3P+N			590.HGE12505-C ^{[1][2][4][3]}	1
160A	3P			590.HGE16003-C ^{[1][2][3]}	1
	3P+N			590.HGE16005-C ^{[1][2][4][3]}	1

^[1] Handle padlockable in OFF only (3 padlocks)

^[2] Equipped with door interlock

^[3] Blank sides

^[4] With late break and early make neutral pole

^[5] Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position

^[6] Open threaded cable entry with cap / cable sleeve



I-O-II
Change-Over Switches [I-O-II]

■ **Enclosed change-over switch disconnectors >> Surface mounting - Stainless steel version**

ISOLATORS Series

590.



 **For general use [I-O-II]**

ENCLOSED CHANGE OVER SWITCH

IP65

GENERAL

Current	Poles	Switch size	Dimension	590.SGE16003-C			
16A	3P	C1	226x306x115mm	590.SGE1603-C	1/12		
	3P+N			590.SGE1605-C ¹	1/12		
25A	3P			590.SGE2503-C	1/12		
	3P+N			590.SGE2505-C ¹	1/12		
32A	3P			590.SGE3203-C	1/12		
	3P+N			590.SGE3205-C ¹	1/12		
40A	3P			590.SGE4003-C	1/12		
	3P+N			590.SGE4005-C ¹	1/12		
63A	3P	C2		590.SGE6303-C	1/12		
	3P+N			590.SGE6305-C ¹	1/12		
80A	3P			590.SGE8003-C	1/12		
	3P+N			590.SGE8005-C ¹	1/12		
100A	3P			590.SGE10003-C	1/12		
	3P+N			590.SGE10005-C ¹	1/12		
125A	3P			C3	312x412x115mm	590.SGE12503-C	1/12
	3P+N					590.SGE12505-C ¹	1/12
160A	3P	590.SGE16003-C	1/12				
	3P+N	590.SGE16005-C ¹	1/12				

¹ With late break and early make neutral pole

- Handle padlockable in OFF only (3 padlocks)
- Equipped with door interlock
- Blank sides

1.5



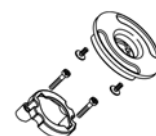
Switchgears

ISOLATORS Series

Switch-disconnectors IP65

ISOLATORS Series

590.



Description	Switch size	Suitable for	Accessoires: dook-locking	
DOOR-LOCKING KIT	Y1	THERMOPLASTIC ENCLOSURES	590.BK040	12
		ALUMINIUM ENCLOSURES	590.BK040H	12
	Y2	THERMOPLASTIC ENCLOSURES	590.BK080	5
		ALUMINIUM ENCLOSURES	590.BK080H	5

TOP22 Series

590.



Description	Colour	Switch size	Contact blocks	
NC CONTACT		Y1	590.PL004001 ^[1]	10/60
		Y2	590.PL004003 ^[1]	10
NO CONTACT		Y1	590.PL004002 ^[2]	10/60
		Y2	590.PL004004 ^[2]	10

^[1] NC=Normally closed

^[2] NO=Normally open

- Snap catch

Switch-disconnectors IP65

TOP22 Series
590.



Description	Switch size	Notes	Contact blocks
CHANGE OVER CONTACT	Y3 Y4 Y5 C1 C2 C3	15A 250V~ - 10A 415V~	590.PL005 50
- Break before main contacts			

TOP22 Series
590.



Description	Switch size	Contact blocks
AUXILIARY CONTACT 1NA+1NC	KF1 KF2 K2	590.PL006011 10
	KF3 KF5 K3 K5 K6	590.PL006012 10
	KF4 K4	590.PL006013 10
AUXILIARY CONTACT 2NA+2NC	KF1 KF2 K2	590.PL006021 10
	KF3 KF5 K3 K5 K6	590.PL006022 10
	KF4 K4	590.PL006023 10
- Break before main contacts		

1.5

■ Switch-disconnectors IP65

COMMAND Series

590.



Description	Switch size	Suitable for	Terminal protection cover	
TERMINAL PROTECTION COVER	KF1	TOP TERMINALS	590.KMT11	10
		BOTTOM TERMINALS	590.KMT12	10
	KF2 K2	TOP TERMINALS	590.KMT21	10
		BOTTOM TERMINALS	590.KMT22	10
	KF3 K3	TOP TERMINALS	590.KMT31	10
		BOTTOM TERMINALS	590.KMT32	10
	KF4 K4	TOP TERMINALS	590.KMT41	10
		BOTTOM TERMINALS	590.KMT42	10
	KF5 K5	TOP TERMINALS	590.KMT51	10
		BOTTOM TERMINALS	590.KMT52	10