

Final Installation

Torque Setting VDE Screwdriver Set




Code: 1773863






Manufacturers recommended
torque settings for
electrical terminals

October 2011

Schneider
Electric

Product	 Pz n°	 (mm)	 (mm)	Tightening torque (N.m)		Stripping (mm)
				Single cable	Multi cables	
Connection						
DB90	-	6	-	3.5	3.5	15
DDI	-	6	-	3.5	3.5	15
Circuit protection						
C32 (a, N, H)	-	5.5	-	2	2	12.5
C32H DC	-	5.5	-	2	2	12.5
C40 (Librio)	2	5.5	-	2	2	13
C45 (N, aD)	-	5.5	-	2	2	12.5
C60 ≤ 25 A	* UL1077	2	6.5	-	2/2.5 *	14
C60 > 25 A		2	6.5	-	3.5	14
C60 RCBO	Input Ph	2	6.5	-	2	14
	Output Ph/N	2	5.5	-	2	13
C60 UL489 tunnel terminal ≤ 25 A		2	6.5	-	2.5	14
C60 UL489 tunnel terminal > 25 A		2	6.5	-	3.5	14
C60 UL489 ring lug (Ø 5 mm)		2	6.5	-	2	-
C120 (N, H)	2	6.5	-	3.5	3.5	15
Déclit	2	5.5	-	2	2	13
DPN (a, N)	2	5.5	-	2	2	13
DT40 (ProDis)	2	5.5	-	2	2	13
DT60 (N, H) (ProDis)	2	6.5	-	3.5	4	14
i DPN (Clario)	2	5.5	-	2	2	13
IF	-	5.5	-	2		
K32a	-	5.5	-	2	2	12.5
K60N	2	6.5	-	2	4	14
NC32 (a, N)	-	5.5	-	2	2	12.5
NC45 (aD, H)	-	5.5	-	2	2	12.5
NC100 ≤ 63 A	2	6.5	-	3.5		12
NC100 > 63 A	2	6.5	-	3.5		19
NC100H UL1077 ≤ 40 A	2	6.5	-	3.5		12
NC100H UL1077 > 40 A	2	6.5	-	3.5		19
NC125 (H, N, L)	2	6.5	-	3.5		19
NG125 (a, N, H, L) ≤ 63 A	2	6.5	-	3.5	3.5	20
NG125 (a, N, H, L) > 63 A	-	-	4	6	6	20
QOE RCBO	2	5.5	-	2	2	14
SBI	2	5.5	-	2	2	
SF'clit	2	5.5	-	2	2	
SFP	2	5.5	-	2	2	
SFT	2	5.5	-	2	2	
STI	2	5.5	-	2	2	
V40H	Phase	2	6.5	-	2	2
	Neutral	1	4	-	1.8	1.8

Cable (mm ²)		Multi cable (mm ²)		Terminals			End piece (mm ²)	Tear resistance (N.m)
Flexible		Rigid		Flexible	Rigid	Tunnel	Clamp	Guard
Mini	Maxi	Mini	Maxi					
1.5	25	1.5	35			Yes		
1.5	25	1.5	35			Yes		
1	16	1	25			Yes		No
1	16	1	25			Yes		No
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
1	16	1	25			Yes		No
0.5	16	0.5	25	5x1.5/3x2.5/1x2.5+2x1.5	5x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.5	25	0.5	35	5x4/3x6/1x6+2x4	5x4/3x6	Yes		Yes
0.5	16	0.5	25	5x4/3x6/1x6+2x4	5x4/3x6	Yes		Yes
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
1	16	1	25			Yes		Yes
1	25	1	35			Yes		Yes
-	-	-	-	-	-	-	Lug	-
1	35	1.5	50	3x10/2x16/3x16	3x10/2x16	Yes		Yes
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.5	25	0.5	35	5x4/3x6/1x6+2x4	5x4/3x6	Yes		Yes
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
			16				Yes	
1	16	1	25			Yes		No
0.5	16	0.5	25	5x1.5/3x2.5/1x2.5+2x1.5	5x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
1	16	1	25			Yes		No
1	16	1	25			Yes		No
1	25	1	35			Yes		Yes
6	35	10	50			Yes		No
1	25	1	35			Yes		Yes
6	35	10	50			Yes		No
6	35	10	50			Yes		No
1	35	1.5	50	3x10/2x16/3x16	3x10/2x16	Yes		Yes
10	50	16	70	3x10/2x16/4x10/3x16/2x25	3x10/2x16/2x35	Yes		Yes
1	16	1	16			Yes		Yes
			25			Yes		
0.33	6	0.75	10	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.33	6	0.75	10	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.33	6	0.75	10	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes
0.33	6	0.75	10	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes

Product	 Pz n°	 (mm)	 (mm)	Tightening torque (N.m)		Stripping (mm)	
				Single cable	Multi cables		
Earth leakage protection							
Déclitc Vigi	2	5.5	-	2	2	13	
DPN Vigi (a, N)	2	5.5	-	2	2	13	
ID'clitc comb busbar direct connection	2	5.5	-	2	2	13	
ID'clitc cable connection	2	5.5	-	3.5	3.5	13	
ID'clitc 63 A (incomer, feeder, see P'clitc)	2	5.5	-	3.5	3.5	13	
ITG (ProDis) IDc (Clario) IC40 (Librio)	2	5.5	-	2	2	13	
P'clitc	2	5.5	-	2	2	13	
RCCB-80/100/125 A	2	6.5	-	3	3	11	
RCCB-ID	2	6.5	-	3.5	3.5	15	
RCCB-ID FI biconnect	2	6.5	-	3.5	3.5	15	
RCCB-type B 63 A	2	6.5	-	3.5	3.5	15	
Vigi C32, Vigi C45 and Vigi XC40	40 A	-	5.5	-	1.2	1.2	12.5
Vigi C40 (Librio)	2	5.5	-	2	2	13	
Vigi C60 (Librio)	2	5.5	-	2	2	13	
Vigi C60 c (Clario)	2	5.5	-	2	2	13	
Vigi C60 ≤ 25 A	2	6.5	-	2	4	14	
Vigi C60 ≤ 40 A and ≤ 63 A	2	6.5	-	3.5	4	14	
Vigi C63	2	6.5	-	3.5	3.5		
Vigi C120	2	6.5	-	3.5	3.5	15	
Vigi DT40 (ProDis)	2	5.5	-	2	2	13	
Vigi i DPN (Clario)	2	5.5	-	2	2	13	
Vigi NC100 ≤ 63 A	2	6.5	-	3.5		12	
Vigi NC100 > 63 A	2	6.5	-	3.5		19	
Vigi NC125	2	6.5	-	3.5		19	
Vigi NG125 ≤ 63 A	2	6.5	-	3.5	3.5	20	
Vigi NG125 > 63 A	-	-	4	6	6	20	
Vigi TG60 (ProDis)	2	5.5	-	2	2	13	
Control, Remote control							
I 20...32 A	1	5	-	1.8	1.8	10	
I 40...125 A	2	6.5	-	4.5	4.5		
I-NA	2	6.5	-	3.5	3.5	15	
IB	2	5.5	-	2			
NG125NA ≤ 63 A	2	6.5	-	3.5	3.5	20	
NG125NA > 63 A	-	-	4	6	6	20	
TC16/TC16P	Power	-	4	-	1.8	1.8	12.5
	Control	-	-	-	-	-	-
TmC60/C120	1	4	-	1	1	10	
XC40	Power	-	4	-	1.8	1.8	13.2
	Control, signal	-	3.5	-	0.4	0.4	
Motor protection							
C60 LMA ≤ 10 A	2	6.5	-	2	4	14	
C60 LMA > 12,5 A	2	6.5	-	3.5	4	14	
NC100 LMA	2	6.5	-	3.5		19	
NG125 LMA ≤ 63 A	2	6.5	-	3.5	3.5	20	
NG125 LMA > 63 A	-	-	4	6	6	20	
P25M	2	5.5	-	1.7			
Load protection							
PE	2	6.5	-	2	2	11	
PF15/8	Ph/N	2	6.5	-	1.2	1.2	11
	Earth	2	6.5	-	2	2	11
PF65/30	Ph/N	2	6.5	-	2	2	16
	Earth	2	6.5	-	3.5	3.5	16
PRC	-	3.5	-	0.4	0.4	6	
PRD	2	6.5	-	2	2	14	
PRF1/L40A	2	6.5	-	3	3	14.5	
PRI	-	3.5	-	0.4	0.4	6	
ST single pole	2	6.5	-	2	2	14	
ST multi-pole	Ph/N	2	6.5	-	2	2	14
	Earth	2	6.5	-	3.5	3.5	17

Cable (mm ²)		Multi cable (mm ²)		Terminals			End piece (mm ²)	Tear resistance (N.m)	
Flexible		Rigid		Flexible	Rigid	Tunnel	Clamp	Guard	
Mini	Maxi	Mini	Maxi						
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
1	10	1	16			Yes		Yes	
1	35	1	50			Yes		Yes	
1	35	1	50			Yes		Yes	
1	10	1	16			Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
1	35	1	50	2x1.5 to 16	2x1.5 to 16	Yes	Yes	No	100
1	35	1	50			Yes		Yes	100
1	35	1	50			Yes	Yes	Yes	100
1	25	1	35			Yes		No	100
			10			Yes		No	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.5	16	0.5	25	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.5	25	0.5	35	5x4/3x6/1x6+2x4	5x4/3x6	Yes		Yes	
1	35	1.5	50	3x10/2x16/3x16	3x10/2x16	Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
1	25	1	35			Yes			
6	35	10	50			Yes		No	
6	35	10	50			Yes		No	
1	35	1.5	50	3x10/2x16/3x16	3x10/2x16	Yes		Yes	
10	50	16	70	3x10/2x16/4x10/3x16/2x25	3x10/2x16/2x35	Yes		Yes	
0.33	10	0.75	16	4x1.5/3x2.5/1x2.5+2x1.5	4x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
1.5	10	1.5	10	2x2.5	2x2.5	Yes		Yes	
2.5	35	6	50			Yes		No	
1	35	1	50			Yes			
	10		10			Yes			
1	35	1.5	50	3x10/2x16/3x16	3x10/2x16	Yes		Yes	
10	50	16	70	3x10/2x16/4x10/3x16/2x25	3x10/2x16/2x35	Yes		Yes	
	16		25			Yes		No	
-	-	-	-			-	-	-	Fast-on 2.5
	6		6	2x1.5/2x2.5	2x1.5/2x2.5	Yes			
	16		25			Yes		No	
			1.5			Yes		No	
0.5	16	0.5	25	5x1.5/3x2.5/1x2.5+2x1.5	5x1.5/3x2.5/1x2.5+2x1.5	Yes		Yes	
0.5	25	0.5	35	5x4/3x6/1x6+2x4	5x4/3x6	Yes		Yes	
1	25	1	35			Yes		No	
1	35	1.5	50	3x10/2x16/3x16	3x10/2x16	Yes		Yes	
10	50	16	70	3x10/2x16/4x10/3x16/2x25	3x10/2x16/2x35	Yes		Yes	
2x1.5	2x6	2x1	2x6				Yes		
	16		25			Yes		Yes	16
	10		16			Yes		Yes	100
	16		25			Yes		Yes	135
	16		25			Yes		Yes	135
	35		50			Yes		Yes	236
0.5	2.5	0.5	2.5			Yes		No	1.5
2.5	16	2.5	25	2x(2.5-6)	2x(2.5-10)	Yes		No	16
10	35	10	50			Yes		No	235
0.5	2.5	0.5	2.5			Yes		No	1.5
2.5	16	2.5	25	2x(2.5-6)	2x(2.5-10)	Yes		No	16
2.5	16	2.5	25	2x(2.5-6)	2x(2.5-10)	Yes		No	16
2.5	35	2.5	50	2x(2.5-10)	2x(2.5-16)	Yes		No	35




Product	 Pz n°	 (mm)	 (mm)	Tightening torque (N.m)		Stripping (mm)
				Single cable	Multi cables	
Auxiliaries						
ATm (Tm)	1	4	-	1	1	
C60 neutral disconnecter	1	5.5	-	1.8	1.8	
EM/RM	-	3.5	-	0.6	0.6	
Limiting module (P25M)	2	5.5	-	1.7	-	
MDU, MDI		3.5	-	1	1	
MN (C32, NC100, NC125, XC40)	-	3.5	-	1	1	
MN (C60, C120, ID, DPN)	1	5	-	1	1	9
MN (NG125)	1	4	-	1	1	10
MNx (C60, C120, ID, DPN)	1	4	-	1	1	9
MSU (C60, C120, ID, DPN)	1	4	-	1	1	9
MX+OF (C32, NC100, NC125, XC40)	-	3.5	-	1	1	
MX (C60, C120, ID, DPN)	1	5	-	1	1	9
MX+OF, MX (C60, C120, ID, DPN)	1	5	-	1	1	9
MX+OF (NG125)	1	4	-	1	1	10
MXV (NG125)	1	5	-	1		10
NO/NF (switch I)	1	5	-	1.8	1.8	10
O+F, SD, MN, MX (P25M)	1	4	-	1.4	-	
OF (C32, NC100, NC125, TC16)	-	3.5	-	1	1	
OF (C60, C120, ID, DPN)	1	4	-	1	1	9
OFsp (RCCB 80/100/125 A aux.)	1	4	-	0.8		8
OF+OF (NG125)	1	4	-	1	1	10
OF+SD (NG125)	1	4	-	1	1	10
OF+SD/OF (C60, C120, ID, DPN)	1	4	-	1	1	9
OF+SD/OF (NG125)	1	4	-	1	1	10
OF.S (ID)	1	4	-	1	1	10
SD (C32, NC100, NC125, TC16)	-	3.5	-	1	1	
SD (C60, C120, ID, DPN)	1	4	-	1	1	9
SDV (NG125)	1	5	-	1		10
Accessories						
3-hole distribution terminal 19091-19096	1	5.5	-	2		10
Connection kit for UL1077	Fixing on C60	2	6.5	-	3.5	-
	Ring lug Ø 5	2	6.5	-	2	2
Connector Barclie (14875)	2	6.5	-	2.5	2.5	14
Connector C60 (26998)						
Connector NC100-125 (27153)						
Connector NC100-125 (27148-27149)			5			
Connector NC100 aux. circuit rebranching						
Connector ProDis, Clario, Libro	2	6.5	-	2.5	2.5	14
Connector STI (14885)	2	6.5	-	2.5	2.5	14
Contact PF65r/30r	-	3.5	-	0.4	0.4	
Contact PRDr	-	3.5	-	0.4	0.4	
Dividable mounting plate	2	6.5	-	3.5	4	14
Screws nuts (NG125) 19093 (Ø 6 mm)	-	-	4	6	6	
Terminal for alu cable 27060	-	-	5	5		18
Terminal for rear connection 18528	-	-	13 flat	5		
Terminal for alu cable (NG125) 19095	-	-	4	6		
Terminal block, connector, limiting device P25M	1	4	-	1.4	-	
Transfer contact (Vigi NG125 I/S/R) SCF	1	5	-	1	1	10
Voltage tap (DJ NG125)	-	-	-	-	-	-



ABB Torque Settings

Code Number or Range	Recommended Torque Setting
S200 Series MCB	2.8Nm
S280 Series MCB	2.5Nm
S800 Series MCB	3.0 - 4.0Nm (max)
F200 Series RCCB up to 100A	2.8Nm
F200 Series RCCB 125A	3Nm
DDA Addon Block for S200 Series	2.8Nm
DDA Addon Block for S800 Series	3.0 - 4.0Nm (max)
DS201/DS202C RCBO	2.8Nm
DS271 Single module RCBO	2Nm (top terminal) 1.8Nm (bottom terminal)
E200 Series Switches	2.5Nm
ESB Installation contactors	1.5Nm (Main Connections) 0.9Nm (Coil Terminals)
AF09 - AF16 Contactors	1.5Nm (Main Connections) 1.2Nm (Coil Terminals)
AF26 - AF38 Contactors	2.5Nm (Main Connections) 1.2Nm (Coil Terminals)
A9-A16 Contactors	1.0 - 1.2Nm (Main connections) 1.0 - 1.2 Nm (Coil terminals) 1.0 - 1.2 Nm (auxiliary contacts)
A26 Contactors	1.7 - 2.2Nm (Main connections) 1.0 - 1.2Nm (Coil terminals) 1.7 - 2.2 Nm (auxiliary contacts)
A30 - A40 Contactors	2.3 - 2.6Nm (Main connections) 1.0 - 1.2Nm (Coil terminals) 1.0 - 1.2 Nm (auxiliary contacts)
A45 - A70 Contactors	4.0 - 4.5Nm (Main connections) 1.0 - 1.2Nm (Coil terminals) 1.0 - 1.2 Nm (auxiliary contacts)
A95 - A110 Contactors	6.0 - 6.5Nm (Main connections) 1.0 - 1.2Nm (Coil terminals) 1.0 - 1.2 Nm (auxiliary contacts)
A145 - A185 Contactors	18.0 - 20Nm (Main connections) 1.0 - 1.2Nm (Coil terminals)
A210 - A300 Contactors	28.0 - 30Nm (Main connections) 1.0 - 1.2Nm (Coil terminals)
A400 - A460 Contactors	40.0 - 44Nm (Main connections) 1.0 - 1.2Nm (Coil terminals)
A580 - A1350 Contactors	45.0 - 49Nm (Main connections) 1.0 - 1.2Nm (Coil terminals)
EK110 Contactor	5.0 - 6Nm (Main connections) 1.0 - 1.2Nm (Coil terminals)
EK150 - EK1000	18.0 - 22Nm (Main connections) 1.0 - 1.2Nm (Coil terminals)
TF42DU.... Thermal Overloads	1.5 - 2.5Nm (Main Circuit) 1.0-1.5Nm (auxiliary circuit)
TA25DU....25 Thermal overload	1.2 - 1.4Nm
TA25DU32 Thermal overload	2 - 2.4Nm
TA42DU....Thermal overload	3 - 4 Nm
TA75DU.... Thermal overload	3 - 4 Nm
TA80DU.... Thermal overload	3 - 4 Nm
TA110DU...Thermal overload	7.2 - 9.6Nm
TA200DU.... Thermal overload	12 - 16Nm
TA450DU/SU.... Thermal overload	12 - 16Nm
Compact Pushbutton	0.8Nm (Electrical conns) 2 - 2.3 Nm (locking ring)
Compact Selector Switch	0.8Nm (Electrical conns) 2 - 2.3 Nm (locking ring)
Compact Pilot light	0.9Nm (Electrical conns) 2 - 2.3 Nm (locking ring)
Compact Emergency Stop	0.8 Nm (Electrical conns) 2 - 2.3 Nm (locking ring)
Modular range Pilot devices (All)	0.9Nm (Electrical conns) 2 - 2.3 Nm (locking ring)
T1 MCCB (70mm ² Cable conns)	7Nm
T2 MCCB (Front Bar Conns)	6Nm
T3 MCCB (Front Bar Conns)	8Nm
T4 MCCB (Front Bar Conns)	18Nm
T5 MCCB (Front Bar Conns)	28Nm
T6 MCCB (Front Bar Conns)	9Nm
T7 MCCB (Front Bar Conns)	18Nm
OT16F.. - OT40F.. Switch Disconnecter	0.8Nm
OT63F.. - OT80F.. Switch Disconnecter	2Nm
OT100F.. - OT125F.. Switch Disconnecter	6Nm
OT160E Switch Disconnecter	6Nm
OT160EV Switch disconnecter	7Nm
OT200E - OT250E Switch Disconnecter	7Nm
OT315E - OT400E Switch Disconnecter	16Nm
OT630E - OT800E Switch Disconnecter	27Nm
OT1000E - OT3150E Switch Disconnecter	50 - 75Nm



Crabtree
Recommended Torque Settings

Use No2 Pozidrive bit only

Loadstar & Starbreaker (Outgoing)

**Recommended
Tightening Torque**

All Main Switches
All RCDs
All MCBs
All RCBOs
All Earth and Neutral Terminals

2.3 Nm (20 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)

Loadstar 3 Phase Range

All Main Switches
All RCDs
All MCBs
All RCBOs
All Earth and Neutral Terminals

2.3 Nm (20 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)

Loadstar Type A Range

All Main Switches
All RCDs
All MCBs
All RCBOs
All Earth and Neutral Terminals

2.3 Nm (20 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)
1.7 Nm (15 ibf-in)

Fusestar Rotary Isolators

20Amp to 40Amp
63Amp (small enclosure)
63Amp to 125Amp

2 Nm
2 Nm
3.5 Nm

Fusestar Switchfuses

M4
M5
M6
M8
M10
M12

1.35 Nm
5.5 Nm
9.5 Nm
17 Nm
28 Nm
45 Nm

Powerstar 125 & SystemPowerstar MCCB Panel Boards

All Main Switches
All MCCBs
All Earth and Neutral Terminals

TBC
2.5 Nm
TBC



Wylex

NH & VCU Range

Recommended Tightening Torque

All Main Switches	2.3 Nm (20 ibf-in)
All RCDs	1.7 Nm (15 ibf-in)
All MCBs	1.7 Nm (15 ibf-in)
All RCBOs	1.7 Nm (15 ibf-in)
All Earth and Neutral Terminals	1.7 Nm (15 ibf-in)

Standard Range

All Main Switches	2.3 Nm (20 ibf-in)
All Earth and Neutral Terminals	1.7 Nm (15 ibf-in)

NH 3 Phase Range

All Main Switches	2.3 Nm (20 ibf-in)
All RCDs	1.7 Nm (15 ibf-in)
All MCBs	1.7 Nm (15 ibf-in)
All RCBOs	1.7 Nm (15 ibf-in)
All Earth and Neutral Terminals	1.7 Nm (15 ibf-in)

NH Type A Range

All Main Switches	2.3 Nm (20 ibf-in)
All RCDs	1.7 Nm (15 ibf-in)
All MCBs	1.7 Nm (15 ibf-in)
All RCBOs	1.7 Nm (15 ibf-in)
All Earth and Neutral Terminals	1.7 Nm (15 ibf-in)

NHSF Rotary Isolators

20Amp to 40Amp	2 Nm
63Amp (small enclosure)	2 Nm
63Amp to 125Amp	3.5 Nm

NH Switchfuses

M4	1.35 Nm
M5	5.5 Nm
M6	9.5 Nm
M8	17 Nm
M10	28 Nm
M12	45 Nm

NH MCCB Panel Boards

All Main Switches	TBC
All MCCBs	2.5 Nm
All Earth and Neutral Terminals	TBC



MK ELECTRIC

Recommended Torque Settings

ALL MAIN SWITCHES 2-2.5Nm

RCBO'S 2-2.5Nm
TYPE B 2-2.5Nm
TYPE B WITH SOLID NEUTRAL 2-2.5Nm
TYPE C 2-2.5Nm

RCD'S
TWO MODULE 2.5-3Nm
3 MODULE 2.5-3Nm
4 MODULE 2.5-3Nm

TIME SWITCHES
ONE MODULE 2.5-3NM
2 MODULE 2.5-3NM
3 MODULE 2.5-3NM

TERMINAL BAR 1-1.5Nm

MCB'S
TYPE B 2-2.5Nm
TYPE C 2-2.5Nm

Product					Tightening torque (N.m)			Cable stripping (mm)
	Pz No	(mm)	(mm)		Single cable	Multi cables	Lug	
Consumer unit terminals								
Earth & neutral bars	2	6.5	-	-	2	2	-	10
Invicta type B MCB distr. Board terminals								
Earth & neutral bars	2	6.5	-	-	2	2	-	10
Earth bolts	-	-	-	-	-	-	13	-
Invicta MCCB panel board terminals								
Earth & neutral bars	-	6.5	-	-	4 - 6.6	4 - 6.6	-	10
Earth bolts	-	-	-	-	-	-	M8 - 13, M10 - 22	-
Isolation								
SB Switch disconnectors	2	6.5	-	-	3.2	3.2	-	15
Circuit protection								
MTN MCB	2	6.5	-	-	2	2	-	13
NBN / NCN / NDN MCB	2	6.5	-	-	2	2	-	13
HMF / HMC / HMD MCB	2	6.5	-	-	2	2	-	13
RCBO	2	5.5	-	-	2	2	-	13
RCCB	2	5.5	-	-	2	2	-	13
x160 MCCB	-	-	4	-	6.6	6.6	-	16
x250 MCCB	-	-	6	-	-	-	M8 - 13	-
h400 - h630 MCCB	-	-	8	19	-	-	M10 - 22	-
h800 MCCB	-	-	-	19	-	-	M10 - 22	-

Part Number or Range	Recommended torque settings
PLS6 MCBs	2.4Nm(max)
PLSM MCBs	2.4Nm(max)
PLHT MCBs	2.4Nm(max)
PFIM RCCBs	2.4Nm(max)
PKS6 and PKSM RCBOs	2.4Nm(max)
IS Isolators	2.5 - 5.0Nm (max)
Z-RE relays	0.8Nm (max)
Z-SCH contactors	0.6Nm (max)



Volex

Range	Recommended Tightening Torque
All Main Switches	2.3 Nm (20 ibf-in)
All RCDs	1.7 Nm (15 ibf-in)
All MCBs	1.7 Nm (15 ibf-in)
All RCBOs	1.7 Nm (15 ibf-in)
All Earth and Neutral Terminals	1.7 Nm (15 ibf-in)