

Annex / Anexo / Anexo

- ① Installation manual Combiner Boxes
- ② Manual de instalación Combiner boxes
- ③ Manual de Instalação Caixas combinadoras





## Terminal block / Bornes / Bornes

Type	Tightening torque	Rated connection
Tipo	Par de apriete	Conductor embornable (conexión nominal)
Tipo	Torque de aperto	Ligação nominal
WSI 25/1	2 - 2.5 Nm	1.5 - 25 mm <sup>2</sup>
WDU 2.5	0.4 - 0.8 Nm	0.5 - 4 mm <sup>2</sup>
WDU 4 e WDU 4 HV	0.5 - 1 Nm	1.5 - 6 mm <sup>2</sup>
WDU 6 e WDU 6 HV	0.8 - 1.6 Nm	1.5 - 10 mm <sup>2</sup>
WDU 10	1.2 - 1.9 Nm	1.5 - 16 mm <sup>2</sup>
WDU 16	3 - 4 Nm	1.5 - 25 mm <sup>2</sup>
WDU 16N	1.2 - 2.4 Nm	1.5 - 25 mm <sup>2</sup>
WDU 35	4 - 5 Nm	2.5 - 50 mm <sup>2</sup>
WDU 35N	4 - 5 Nm	2.5 - 50 mm <sup>2</sup>
WDU 50N	3.5 - 6 Nm	10 - 70 mm <sup>2</sup>
WDU 70N	8 - 12 Nm	16 - 95 mm <sup>2</sup>
WDU 70/95	6 - 12 Nm	16 - 120 mm <sup>2</sup>
WDU 95N/120N	12 - 20 Nm	16 - 150 mm <sup>2</sup>
WDU 120/150	10 - 20 Nm	35 - 150 mm <sup>2</sup>
WDU 240	25 - 30 Nm	70 - 240 mm <sup>2</sup>
WFF 35	3 - 6 Nm	<50 mm <sup>2</sup>
WFF 70	6 - 12 Nm	<95 mm <sup>2</sup>
WFF 120	10 - 20 Nm	<150 mm <sup>2</sup>
WFF 185	14 - 31 Nm	<240 mm <sup>2</sup>
WFF 300	25 - 60 Nm	<300 mm <sup>2</sup>
WPE 16	2 - 3.6 Nm	1.5 - 25 mm <sup>2</sup>
WPE 50	4 - 6 Nm	10 - 70 mm <sup>2</sup>
WSI 25 1,5KV	2 - 2.5 Nm	0,75 - 25 mm <sup>2</sup>
WEW 35/2	0.5 - 1 Nm	-
DPS	2 - 4 Nm	1.5 - 35mm <sup>2</sup>

## Cross connection links / Conexión transversal / Ligações transversais

Type	Tightening torque
Tipo	Par de apriete
Tipo	Torque de aperto
WQV 2.5	0.4 – 0.8 Nm
WQV 4	0.5 – 1.0 Nm
WQV 6	0.5 – 1.0 Nm
WQV 10	0.5 – 1.0 Nm
WQV 16	1.2 – 2.4 Nm
WQV 16N	1.2 – 2.4 Nm
WQV 35	1.2 – 2.4 Nm
WQV 35N	1.2 – 2.4 Nm
WQV 50N	2.5 – 4.5 Nm
WQV 70N	2.5 – 4.5 Nm
WQV 95N/120N	3.0 – 6.0 Nm
WQV 120	3.0 – 6.0 Nm
Ponte Conectora FTG	1.5 – 2.0 Nm

## Switch - disconnecter / Interruptor - seccionador / Interruptor

Type	Tightening torque
Tipo	Par de apriete
Tipo	Torque de aperto
Benedict	1.2 - 1.8 Nm
ABB OTC	1.2 – 1.4 Nm
Telergón S5 - 02004PR0 (160A 1000V DC21B)	13 Nm
Telergón S5 - 03154PR0 (250A 1000V DC21B)	18 Nm
Telergón S5 - 04004PC0 (400A 1000V DC21B)	24 Nm
Telergón S6N0400MQD0 (400A 1500V DC21B)	18 Nm
Telergón S6N0400USD0 (400A 1500V DC21B)	18 Nm
Telergón S6N0315USS0 (315A 1500V DC21B)	18 Nm
Socomec 26PV4031 (160A 1000V DC21B)	20 Nm *ver de 1500V
Socomec 26PV4031 (315A 1000V DC21B)	20 Nm
Telergón S6N0315MQSO (315A 1500V DC21B)	18 Nm
ABB OT200/250E33P (200/250A 1000V DC21)	15 - 22 Nm
ABB OT400E33P (400A 1000V DC21)	30 - 44 Nm
ABB S800PV serie	3 - 4 Nm
Telergón S6 - R0160CBS0 (160A 1500V DC21B)	24 Nm
Telergón S6 - R0250CBS0 (250A 1500V DC21B)	24 Nm

## Cable glands / Prensaestopas / Prensa Cabos

Type	Torque for cap nut	Tightening torque	Torque for lock nut	Wire diameter range
Tipo	Par de apriete de la cabeza del prensaestopas	Par para orificio roscado	Apriete la contratuerca	Rango diámetros cable
Tipo	Torque para cabeça do prensa cabo	Torque para furo com rosca	Torque na contra porca	Gama de aperto
M12	1.5 – 2.5 Nm	2 Nm	2.5 – 3.5 Nm	3 – 6.5 mm
M16	2.5 – 3.5 Nm	2.5 Nm	3.75 – 4-75 Nm	5 – 10 mm
M20 10–14	5.5 – 6.5 Nm	3.5 Nm	5 – 6 Nm	10 – 14 mm
M20 6–12	5 – 6 Nm	3.5 Nm	5 – 6 Nm	6 – 12 mm
M25	7.5 – 8.5 Nm	3.5 Nm	7.5 – 8.5 Nm	13 – 18 mm
M32	12 – 13 Nm	5 Nm	7.5 – 8.5 Nm	18 – 25 mm
M40	12 – 13 Nm	5 Nm	7.5 – 8.5 Nm	22 – 32 mm
M50	12 – 13 Nm	8 Nm	7.5 – 8.5 Nm	30 – 38 mm
M63	25.5 – 26.5 Nm	12 Nm	7.5 – 8.5 Nm	34 – 44 mm
WM4	-	-	0.5 – 1 Nm	5.5 – 7 mm



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