

Recommended tightening torque and size of screwdriver

size of screw	connector type	tightening torque (Nm)	tightening torque (lb.in)	recommended size of screwdriver (mm)
M2.5	CT 40, 64	0.4	3.5	0.5x3
M2.6	CTE 06...24	0.4	3.5	0.5x3
Ø 2.9	CQ 04/2, CQ 08	0.7	6.2	Ph1
M3	screw of earthing terminal series CQ 05, CQ 12	0.5	4.4	0.5x3
M3	CDA	0.5	4.4	Ph0 or 0.6x3.5
M3	CK, CKS, CD 07, CD 08, CQ 05, CQ 12	0.5	4.4	0.5x3
M3	CN, CX 4/8 (16A)	0.5	4.4	0.6x3.5
M3	CN..Q, CX 4/8 Q (16A)	0.5	4.4	Ph0
M3	CNE, CME	0.5	4.4	Ph0 or 0.8x4
M3	screw of small earthing terminal, MIXO frames series	0.5	4.4	Ph1 or 1.0x5.5
M3	screw for fastening to enclosures, all series	0.5	4.4	Ph1 or 0.8x4
M3,5	screw of earthing terminal series CDA, CDC	0.8	7.1	Ph1 or 1.0x5.5
M4	screw of large earthing terminal, MIXO frames series	1.2	10.6	Ph1 or 1.0x5.5
M4	CP	1.2	10.6	Ph1 or 0.8x4
M4	screw of earthing terminal, all series except CDA, CDC, MIXO	1.2	10.6	Ph2 or 1.0x5.5
M6	CX 4/... (80A)	2.5	22.1	1.0x5.5

Increasing the tightening torque does not improve considerably the contacts resistances. The screw torques are selected according to standard EN 60999-1, to provide excellent mechanical, thermal and electric behaviour. The conductor or terminal may be damaged if the recommended values are significantly exceeded.

Stripping lengths

connection technique	conductor section		stripping length (mm)
	(mm ²)	(AWG)	
Screw			
CK	0.75÷2.5	18÷14	6
CX 4/2 (16A)	0.75÷2.5	18÷14	7
CN	0.75÷2.5	18÷14	7
CNE	0.5÷2.5	20÷14	7
CNE..X	0.25÷2.5	24÷14	7
CDA	0.75÷2.5	18÷14	7
CDA..X	0.25÷2.5	24÷14	7
CTE 06...24	0.75÷2.5	18÷14	12
CT 40 and 64	0.14÷2.5	26÷14	12
CME	0.5÷2.5	20÷14	7
CP	1.5÷6	16÷10	10,5
CX 4/... (80A)	4÷16	12÷5	14
Crimp			
CDD, CD, MIXO (10A), CQ 12	0.14÷2.5 *	26÷14	8 (* 6 for 2.5 mm ²)
CCE, CDC, CMCE, CQ, CQE, MIXO (16A)	0.5÷4	20÷12	7,5
CX, MIXO (40A)	1.5÷2.5	16÷14	9
	4÷6	12÷10	9,6
MIXO (100A)	16÷35	5÷2	15
Spring			
CSE, CTSE 06...24, CMSE, MIXO (CX 05 S), CSS	0.14÷2.5	26÷14	9...11
CTS 40/64	0.14÷2.5	26÷14	9...11
	non-prepared max 1 prepared	non-prepared max 18 prepared	
CKS	0.14÷2.5	26÷14	9...11
	non-prepared max 1.5 prepared	non-prepared max 16 prepared	