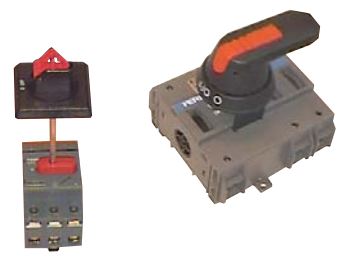
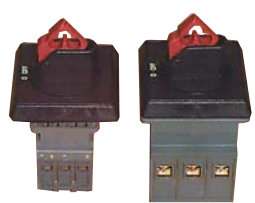
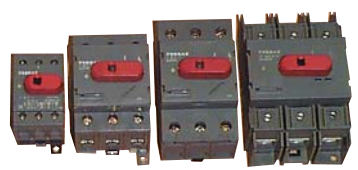




Non-fused Switches Front-handle Modular IT 25 to 160A



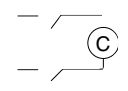
MODULAR SWITCH-DISCONNECTORS INDICATED INTERRUPTION IT 25A TO 160A Front-operated switches

- COMPLIANCE WITH: IEC 947- 1 and -3, AC 21, AC 23 J UP TO 690V, Uimp. ≥ 8KV. BS Standard.
- MOUNTING: 35 MM DIN RAIL, SCREWED ON BASE PLATE OR DOOR.
- FULLY MODULAR (FRAME ≤ 45 mm).
- EASY AND QUICK-TO-MOUNT ACCESSORIES (SNAP ON FOR 4TH POLE AND MICROSWITCHES). SPEEDS UP WIRING PROCESS WITH ELECTRICAL OR PNEUMATIC SCREW DRIVER.
- PROTECTION AGAINST HARSH CLIMATIC ENVIRONMENTS, HIGH WITHSTAND TO CREEPING ON INSULATED MATERIALS UL94 V1.
- SNAP CONTACTS which ensures rapid disconnection regardless of how fast the user turns the operation handle.
- HIGH-PERFORMANCE INTERRUPTING RATING (AC 23 & DC 23 CLASSES).
- FOR HIGHER RATINGS, REFER TO TECHNICAL DATA SHEETS.

Main Electrical Characteristics

			IT 25E	IT 32E	IT 50E	IT 63E	IT 80E	IT 125E	IT 160E
Rated operated current at ambient	40°C	I _{th}	25	32	50	63	80	125	160
Rated operational current under cover with a copper cable cross section of	40°C	I _{the}	25	32	50	63	80	125	160
		Scu	4	6	16	16	50	70	70
Rated insulation voltage (U _i). Pollution class 3		V	750	750	750	750	750	750	750
Rated operational voltage AC-20 DC-20		V	750	750	750	750	750	750	750
Rated impulse withstand voltage		kV	8	8	8	8	8	8	12
Rated operating current AC22	500V	A	16	25	50	63	80	125	160
AC-21-A / AC-22-AAC21	690V	A	16	25	50	63	80	125	160
Rated operating current AC-23-A	≤415V		16	20	45	63	55	90	135
	500V	A	16	20	45	58	32	70	125
	690V		10	11	20	20	20	50	80
Rated operating power AC-23 with a 3-phase 1.500 rpm standard asynchronous motor at	220/240V		3	4	11	22	18,5	22	45
	380/440V	kW	7,5	9	22	37	30	45	75
	500/690V		7,5/7,5	9/9	22/15	37/18,5	18,5/15	45/45	75/75
AC-23 Interrupting rating : I _c A under rated operating voltage (U) _e	≤415V		128	160	340	640	440	720	1080
	500V	A	128	160	360	464	256	560	1000
	690V		80	88	160	160	160	400	640
DC-23-A rating operating current /poles in series**	110V		16/2	25/2	50/2	63/2	80/2	125/2	160/1
	220V	A	16/4	25/4	45/4	45/4	45/4	63/4	160/2
	440V		10/4	10/4	10/4	10/4	10/4	-	160/3
RMS permissible short duration (1.5) rated current	0,25s	kA	-	-	-	-	-	-	7
	1 s	kA	0,5	0,5	1	1,5	1,5	2,5	4
Mechanical endurance: operation cycles number (1 cycle = 1 opening + 1 closing of contacts)			10 000	10 000	10 000	10 000	10 000	10 000	10 000
Electrical endurance operation cycles number at I _e and cosφ 0.65	500V		3000	3000	3000	3000	3000	3000	1000
Power loss per pole		W	0,3	0,6	2,8	4,5	6,4	6,3	6,5
Tightening torque for terminals	mini	Nm	0,8	0,8	2	2	2,5	6	6
	maxi		0,88	0,88	2,2	2,2	2,75	6,6	6,6
Permissible section for tightening of copper wires (section ≥Scu is recommended)		mm ²	0,75...10	0,75...10	1,5...35	2,5...35	2...50	10...70	10...70

** To be realised by the user. Distributing poles per conductor e.g. 2poles in series





Non-fused Switches Front-handle Modular IT 25 to 160A

Modular switch-disconnectors and accessories Reference Number

Current rating Ith	Poles	Designation	Reference Number	Non-padlockable direct handle	Padlockable external handle 3 padlocks Ø 8 mm IP 65	Necessary shaft for external handle	Auxilliary contact 1 NC	Auxilliary contact 1 NO	Pole # 4 (for 3-pole switches only modulable on both sides)
DIN-rail or screwed on base mounting. IT with indicated interruption.							2 contacts max. on each side		
25 A	3 4	IT 25E III IT 25E IV	F210064 G210065	Suplied with switch (red handle*)	N207702 (Red & Yellow) H208571 (Black) (Necessary shaft)	M207701 (L = 130 mm) T208558 (L = 330 mm)	M207494 Located on left side	L207493 Located on right side	S208120 <small>Prohibited for 4-pole switch</small>
32 A	3 4	IT 32E III IT 32E IV	D207486 E207487						S208120 <small>Prohibited for 4-pole switch</small>
50 A	3 4	IT 50E III IT 50E IV	F207488 G207489						T208121 <small>Prohibited for 4-pole switch</small>
63 A	3 4	IT 63E III IT 63E IV	H207490 J207491						T208121 <small>Prohibited for 4-pole switch</small>
80 A	3 4	IT 80E III IT 80E IV	B208956 C208957						F208960 <small>Prohibited for 4-pole switch</small>
125 A	3 4	IT 125E III IT 125E IV	D208958 E208959						G208961 <small>Prohibited for 4-pole switch</small>
DIN-rail or screwed on base mounting. IT with visible interruption.									
160 A	3 4	IT 160E III IT 160E IV	D208107 E208108	G208110 black handle (no microswitch)	M209909 (black) (extended shaft is supplied) N209910 (Red & Yellow)	B210106 (L = 290 mm)	L208114 <small>Necessity of using a K 208 113 base for enabling the mounting of 1 to 6 contacts auxiliary contacts (maxi 3 NO+3 NC). Cannot be mounted with the direct handle.</small>	M208115	F208109 <small>Prohibited for 4-pole switch Mounting on left side only (refer to drawing)</small>

Catalog Number

Current rating Ith	Poles	Designation	Catalog Number	Non-padlockable direct handle	Padlockable external handle 3 padlocks Ø 8 mm IP 65	Necessary shaft for external handle	Auxilliary contact 1 NC	Auxilliary contact 1 NO	Pole # 4 (for 3-pole switches only modulable on both sides)
DIN-rail or screwed on base mounting. IT with indicated interruption.							2 contacts max. on each side		
25 A	3 4	IT 25E III IT 25E IV	IT25S3CF IT25S4CF	Suplied with switch (red handle*)	PINIT25/125 (Red & Yellow) PIRJIT25/125 (Black) (Necessary shaft)	A130IT25/125 (L = 130 mm) AIT330 (L = 330 mm)	FOIT25/125ETNO Located on left side	FOIT25/125ETNC Located on right side	4PIT25/32 <small>Prohibited for 4-pole switch</small>
32 A	3 4	IT 32E III IT 32E IV	IT32S3CF IT32S4CF						4PIT25/32 <small>Prohibited for 4-pole switch</small>
50 A	3 4	IT 50E III IT 50E IV	IT50S3CF IT50S4CF						4PIT50/63 <small>Prohibited for 4-pole switch</small>
63 A	3 4	IT 63E III IT 63E IV	IT63S3CF IT63S4CF						4PIT50/63 <small>Prohibited for 4-pole switch</small>
80 A	3 4	IT 80E III IT 80E IV	IT80S3CF IT80S4CF						4PIT80 <small>Prohibited for 4-pole switch</small>
125 A	3 4	IT 125E III IT 125E IV	IT125S3CF IT125S4CF						4PIT125 <small>Prohibited for 4-pole switch</small>
DIN-rail or screwed on base mounting. IT with visible interruption.									
160 A	3 4	IT 160E III IT 160E IV	IT160S3CF IT160S4CF	PIRNIT160 black handle (no microswitch)	PENITC32/160 (black) (extended shaft is supplied) PERJIT160 (Red & Yellow)	A290ITC50/160 (L = 290 mm)	FOIT160NC <small>Necessity of using a K 208 113 base for enabling the mounting of 1 to 6 contacts auxiliary contacts (maxi 3 NO+3 NC). Cannot be mounted with the direct handle.</small>	FOIT160NO	4PIT160 <small>Prohibited for 4-pole switch Mounting on left side only (refer to drawing)</small>



Non-fused Switches Front-handle Modular IT 25 to 160A

Ready to install complete switch

Switch + direct handle + External handle + Shaft 330 mm + Auxiliary preisolating contacts (No - Nc)
Protection against Live Terminal Touching

Current rating Ith	Poles	Designation	Reference Number	Catalog Number
25A	3	IT 25 CIII Cde Front N&R	D 235201	IT25C3CFN
	4	IT 25 CIV Cde Front N&R	E 235202	IT25C4CFN
	3	IT 25 CIII Cde Front J&R	F 235203	IT25C3CFJ
	4	IT 25 CIV Cde Front J&R	G 235204	IT25C4CFJ
32A	3	IT 32 CIII Cde Front N&R	H 235205	IT32C3CFN
	4	IT 32 CIV Cde Front N&R	J 235206	IT32C4CFN
	3	IT 32 CIII Cde Front J&R	K 235207	IT32C3CFJ
	4	IT 32 CIV Cde Front J&R	L 235208	IT32C4CFJ
50A	3	IT 50 CIII Cde Front N&R	R 235213	IT50C3CFN
	4	IT 50 CIV Cde Front N&R	S 235214	IT50C4CFN
	3	IT 50 CIII Cde Front J&R	T 235215	IT50C3CFJ
	4	IT 50 CIV Cde Front J&R	V 235216	IT50C4CFJ
63A	3	IT 63 CIII Cde Front N&R	A 235221	IT63C3CFN
	4	IT 63 CIV Cde Front N&R	B 235222	IT63C4CFN
	3	IT 63 CIII Cde Front J&R	C 235223	IT63C3CFJ
	4	IT 63 CIV Cde Front J&R	D 235224	IT63C4CFJ
80A	3	IT 80 CIII Cde Front N&R	J 235229	IT80C3CFN
	4	IT 80 CIV Cde Front N&R	K 235230	IT80C4CFN
	3	IT 80 CIII Cde Front J&R	L 235231	IT80C3CFJ
	4	IT 80 CIV Cde Front J&R	M 235232	IT80C4CFJ
125A	3	IT 125 CIII Cde Front N&R	S 235237	IT125C3CFN
	4	IT 125 CIV Cde Front N&R	T 235238	IT125C4CFN
	3	IT 125 CIII Cde Front J&R	V 235239	IT125C3CFJ
	4	IT 125 CIV Cde Front J&R	W 235240	IT125C4CFJ
160A	3	IT 160 CIII Cde Front N&R	B 235245	IT160C3CFN
	4	IT 160 CIV Cde Front N&R	C 235246	IT160C4CFN
	3	IT 160 CIII Cde Front J&R	D 235247	IT160C3CFJ
	4	IT 160 CIV Cde Front J&R	E 235248	IT160C4CFJ

External handle : N&R = black - J&R = red and yellow

Control

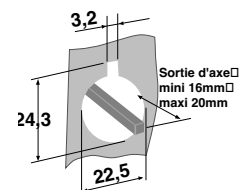
Direct handle IT 160 E
G208110



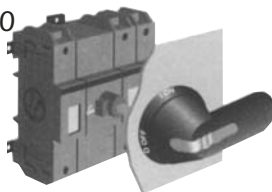
External type handle IT 25 to 125
N207702
H208571



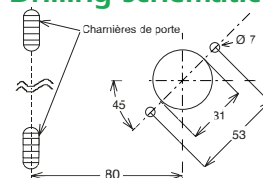
Drilling diagram



External type handle IT 160 E
M209909
N209910



Drilling schematic



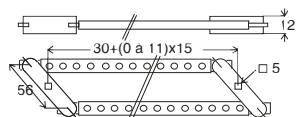
Ø 4 maxi

Padlocking device
P207496

Accessories for outside control

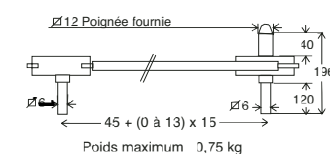
688-pole system: N097118 for IT 25 E to 125 E

To order with outside handle and 2 axes



688-pole system:

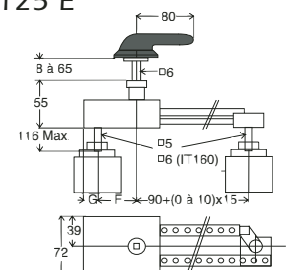
A209024 for IT 160 E



Reversing system 1-0-2:

A092598 for IT 25 E to 125 E
T081713 for IT 160 E

Outside handle supplied with





Non-fused Switches Front-handle Modular IT 25 to 160A

On door or side mounting Switch-disconnector. Modular switch-disconnector and accessories

Current rating Ith	Poles	Designation	Reference Number	Padlockable handle for on door mounting		Auxiliary contact 1 NC (left)	Auxiliary contact 1 NO (right)	Supplementary pole P : Phase - T : Ground
				Red & Yellow	Black			
32 A	3	IT 32ET III Select a 3-pole plus a 4th pole	N208116	P208117	Q208118	M207494	L207493	R208119 (P)
	4			P209083	Q209084			T209754 (T)
50 A	3	IT 50ET III Select a 3-pole plus a 4th pole	R209085	P209083	Q209084	Two contacts max. can be snapped-on		T209087 (P)
	4							
63 A	3	IT 63ET III Select a 3-pole plus a 4th pole	S209086	P209083	Q209084	Two contacts max. can be snapped-on		T209087 (P)
	4							
80 A	3	IT 80ET III Select a 3-pole plus a 4th pole	M235485	P209083	Q209084	Two contacts max. can be snapped-on		T209087 (P)
	4							

Current rating Ith	Poles	Designation	Catalog Number	Padlockable handle for on door mounting		Auxiliary contact 1 NC (left)	Auxiliary contact 1 NO (right)	Supplementary pole P : Phase - T : Ground
				Red & Yellow	Black			
32 A	3	IT 32ET III Select a 3-pole plus a 4th pole	IT32S3MP	PICRIT32ET	PINCIT32ET	FOIT25/125ET NO	FOIT25/125ET NC	4PIT32ET(P)
	4			PIRIT32ET	PINIT32ET			PTIT32ET(T)
50 A	3	IT 50ET III Select a 3-pole plus a 4th pole	IT50S3MP	PIRIT32ET	PINIT32ET	Two contacts max. can be snapped-on		4PIT50/63ET(P)
	4							
63 A	3	IT 63ET III Select a 3-pole plus a 4th pole	IT63S3MP	PIRIT32ET	PINIT32ET	Two contacts max. can be snapped-on		4PIT50/63ET(P)
	4							
80 A	3	IT 80ET III Select a 3-pole plus a 4th pole		PIRIT32ET	PINIT32ET	Two contacts max. can be snapped-on		4PIT50/63ET(P)
	4							

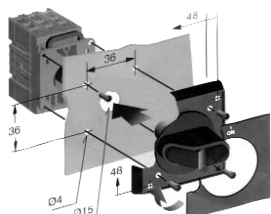
Ready to install on door or side complete switch Switch with handle and auxiliary contact (preisolating)

Current rating Ith	Poles	Designation	Reference Number	Catalog Number
32A	3	IT 32 CIII Cde Porte N&R	M 235209	IT32C3CPN
	4	IT 32 CIV Cde Porte N&R	N 235210	IT32C4CPN
	3	IT 32 CIII Cde Porte J&R	P 235211	IT32C3CPJ
	4	IT 32 CIV Cde Porte J&R	Q 235212	IT32C4CPJ
50A	3	IT 50 CIII Cde Porte N&R	W 235217	IT50C3CPN
	4	IT 50 CIV Cde Porte N&R	X 235218	IT50C4CPN
	3	IT 50 CIII Cde Porte J&R	Y 235219	IT50C3CPJ
	4	IT 50 CIV Cde Porte J&R	Z 235220	IT50C4CPJ
63A	3	IT 63 CIII Cde Porte N&R	E 235225	IT63C3CPN
	4	IT 63 CIV Cde Porte N&R	F 235226	IT63C4CPN
	3	IT 63 CIII Cde Porte J&R	G 235227	IT63C3CPJ
	4	IT 63 CIV Cde Porte J&R	H 235228	IT63C4CPJ
80A	3	IT 80 CIII Cde Porte N&R	N 235233	IT80C3CPN
	4	IT 80 CIV Cde Porte N&R	P 235234	IT80C4CPN
	3	IT 80 CIII Cde Porte J&R	Q 235235	IT80C3CPJ
	4	IT 80 CIV Cde Porte J&R	R 235236	IT80C4CPJ
125A	3	IT 125 CIII Cde Porte N&R	X 235241	IT125C3CPN
	4	IT 125 CIV Cde Porte N&R	Y 235242	IT125C4CPN
	3	IT 125 CIII Cde Porte J&R	Z 235243	IT125C3CPJ
	4	IT 125 CIV Cde Porte J&R	A 235244	IT125C4CPJ

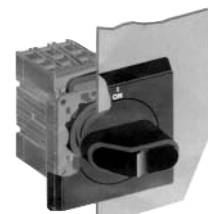
External handle : N&R = black / J&R = red and yellow

Control for on-door or side mounting - IT 32 to 63 ET

Handle for IT32 & 63ET
P209083
Q209084



Handle for IT 32ET
P208117
Q208118

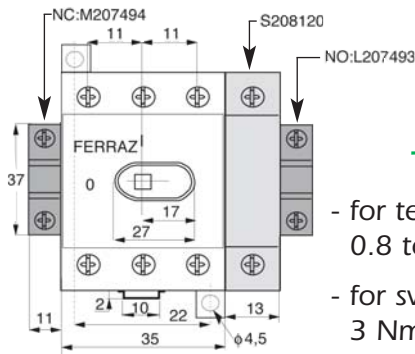
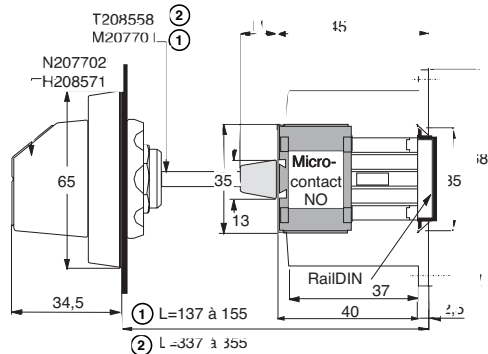




Non-fused Switches Front-handle Modular IT 25 to 160A

Dimensions

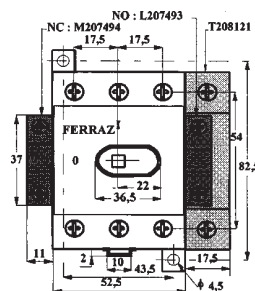
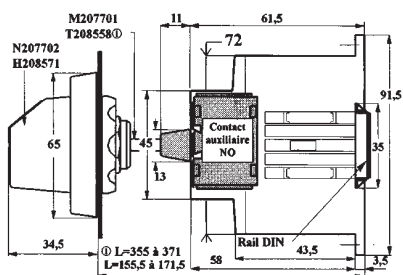
IT 25E - IT 32E



Tightening torques

- for terminals (Pozidrive screw)
0.8 to 0.88 Nm
- for switches (M4 screw)
3 Nm maximum.

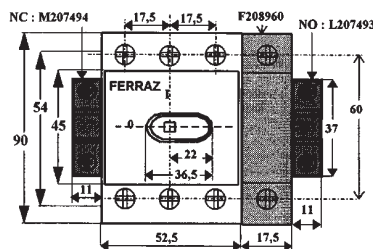
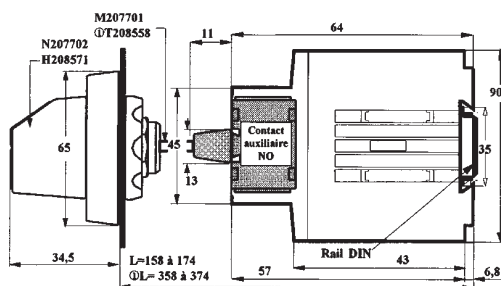
IT 50E - IT 63E



Tightening torques

- for terminals (Pozidrive screw)
2 to 2.2 Nm
- for switches (M4 screw)
3 Nm maximum.

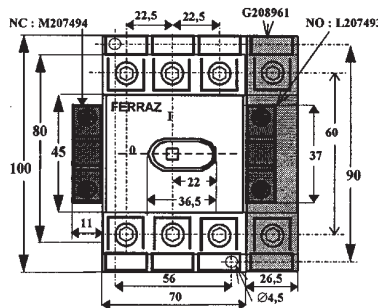
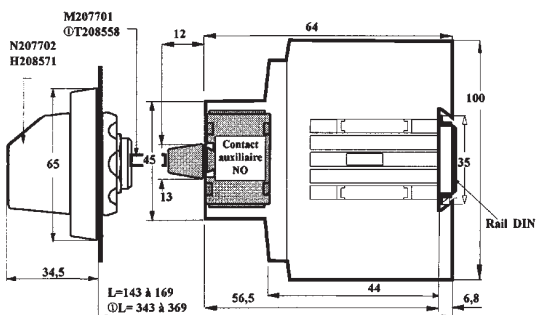
IT 80E



Tightening torques

- for terminals (Pozidrive screw)
2.5 to 2.75 Nm
- for switches (M4 screw)
3 Nm maximum.

IT 125E



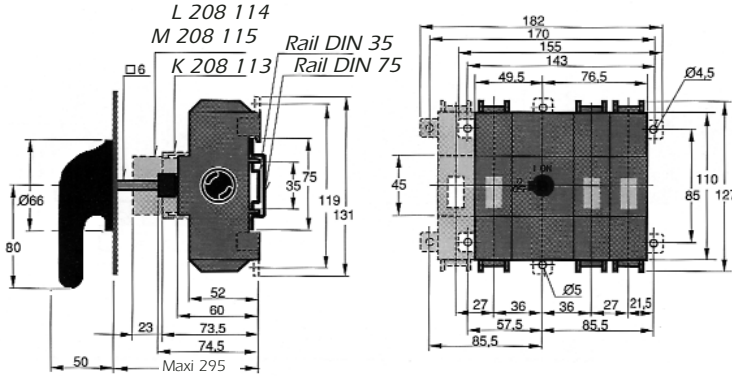
Tightening torques

- for terminals (Pozidrive screw)
6 to 6.6 Nm
- for switches (M4 screw)
3 Nm maximum.



Non-fused Switches Front-handle Modular IT 25 to 160A

IT 160 E

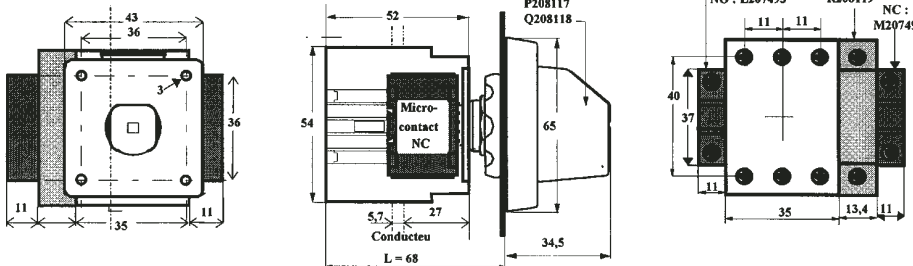


Tightening torques

- for terminals (Hc screw) 6 to 6.6 Nm
- for switches (M4 screw) 3 Nm maximum.

Dimensions on door or side mounting switches

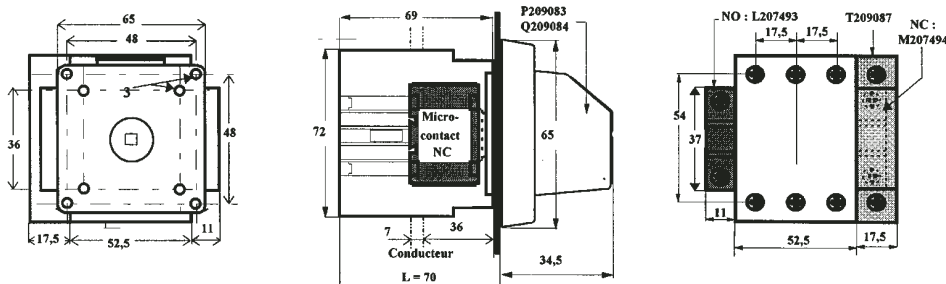
IT 32 ET



Tightening torques

- for terminals (PoziDrive screw) 0.8 to 0.88 Nm
- for switches to be snapped on handles P208117 and Q208118
- for switches to be screwed via handles P209083 and Q209084 with 0.7 Nm max tightening torque

IT 50 ET 63 ET



Tightening torques

- for terminals (PoziDrive screw) 2 to 2.2 Nm
- for switches to be screwed via handles P209083 and Q209084 with 0.7 Nm max tightening torque

Ref. Number	D207486	E207487	F207488	G207489	H207490	J207491	L207493	M207494	P207496	M207701	N207702	D208107	E208108	F208109	G208110	K096609	K208113	L208114	M208115	N208116
Weight	110 g	150 g	270 g	350 g	270 g	350 g	20 g	20 g	5 g	25 g	70 g	1 kg	1,3 kg	300 g	20 g	50 g	10 g	20 g	20 g	130 g

Ref. number	P208117	Q208118	R208119	S208120	T208121	T208558	H208571	B208956	C208957	D208958	E208959	F208960	G208961	P209083	Q209084	R209085	S209086	T209087	M209909	N209910
Weight	70 g	70 g	30 g	50 g	70 g	70 g	70 g	310 g	450 g	360 g	500 g	140 g	140 g	70 g	70 g	270 g	270 g	80 g	100 g	100 g