Class I + II (T1+T2) low voltage SPDs


4 122 75


4 122 57


4 122 83


4 123 03


4 122 84

Technical characteristics **p. 71-73**

Protection against transient overvoltagess for 230/400 V~ power networks (50/60 Hz). SPDs compliant with EN/IEC 61643-11 standards
Recommended for main distribution boards
Class I+II (T1+T2) : SPDs tested and specified according to both T1 and T2 test classes

SPDs for general protection of main distribution board

SPDs with plug-in modules and status indicators:
- Green: SPD operational
- Orange: plug-in modules to be replaced

Earthing systems: TT, TNC, TNS

T1+T2 - Iimp 12,5 kA/pole

For general protection of big installations and protection of small installations with external lightning protection (LPS).
Up: 1.5 kV - Imax: 60 kA/pole - Uc: 320 V~
Recommended MCB: DX³ 63 A - C curve

Pack	Cat.Nos	Number of poles	Neutral position	Itotal (10/350)	Remote status monitoring (FS contact)	Number of modules
1	4 122 70	1P	-	12.5 kA	No	1
1	4 122 74[1]	1P+N	Left	25 kA	Yes	2
1	4 122 76[1]	1P+N	Right	25 kA	Yes	2
1	4 122 71	2P	-	25 kA	No	2
1	4 122 72	3P	-	37.5 kA	Yes	3
1	4 122 75[1]	3P+N	Left	50 kA	Yes	4
1	4 122 77[1]	3P+N	Right	50 kA	Yes	4
1	4 122 73	4P	-	50 kA	No	4

T1+T2 - Iimp 8 kA/pole

SPDs for small installations without external lightning protection (LPS)
Up: 1.3 kV - Imax: 50 kA/pole - Uc: 320 V~
Recommended MCB: DX³ 40 A - C curve

Pack	Cat.Nos	Number of poles	Neutral position	Itotal (10/350)	Remote status monitoring (FS contact)	Number of modules
1	4 122 50	1P	-	8 kA	No	1
1	4 122 54[1]	1P+N	Left	16 kA	No	2
1	4 122 56[1]	1P+N	Right	16 kA	No	2
1	4 122 51	2P	-	16 kA	No	2
1	4 122 52	3P	-	25 kA	No	3
1	4 122 55[1]	3P+N	Left	25 kA	No	4
1	4 122 57[1]	3P+N	Right	25 kA	No	4
1	4 122 53	4P	-	32 kA	No	4

SPDs for high risk level installations

SPDs for big installations with external lightning protection (LPS) and for high risk level installations according to EN/IEC 62305 standards
SPDs with plug-in modules and status indicators:
- Green: SPD operational
- Red: plug-in modules to be replaced

T1 + T2 - Iimp 35 kA/pole - 440V~ (IT) - Plug-in

Up: 2.5 kV - Uc: 440 V~
Earthing systems: TT, TNC, TNS, IT
Recommended MCCB: DPX³160 - 80 A

Pack	Cat.Nos	Number of poles	Neutral position	Itotal (10/350)	Remote status monitoring (FS contact)	Number of modules
1	4 122 80	1P	-	35 kA	Yes	2

SPDs for high risk level installations (continued)

T1 + T2 - Iimp 25 kA/pole

Up: 1.5 kV - Uc: 350 V~
Earthing systems: TT, TNC, TNS.
Recommended MCCB: DPX³160 - 80 A

Pack	Cat.Nos					
1	4 122 81[1]	1P+N	Right	50 kA	Yes	4
1	4 122 82	3P	-	75 kA	Yes	6
1	4 122 83[1]	3P+N	Right	100 kA	Yes	8

Replacement plug-in modules

Pack	Cat.Nos	
1	4 123 02	For SPDs T1+T2 - 8 kA Cat.Nos 4 122 50/51/52/53/54/55/56/57
1	4 123 03	For SPDs T1+T2 - 12.5 kA Cat.Nos 4 122 70/71/72/73/74/75/76/77
1	4 122 84	For SPDs T1+T2 - 25 kA Cat.Nos 4 122 81/82/83 and 0 030 20/22/23/27
1	4 122 85	N-PE module for SPDs T1+T2 - 25 kA Cat.Nos 4 122 81/83 and 0 030 23
1	4 122 86	For SPDs T1+T2 - 35 kA Cat.No 4 122 80

Cabling accessories

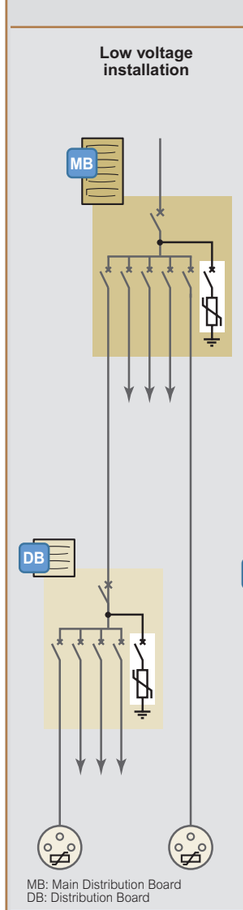
Pack	Cat.Nos	
1	4 123 10	Ready to use cabling kit consisting of 5 conductors (including the earth conductor) Cross section :16mm² Lenght : 40cm For cabling SPDs in industrial enclosures (for EN/IEC 61439 compliance).

1: 1P+N and 3P+N: L-N and N-PE protection modes (common and differential modes), the N pole being protected by encapsulated spark gaps. Also called 1+1 and 3+1

Selecting Surge Protective Devices (SPDs) and their associated protection

SPDs are mandatory[1] for buildings:
- With risks for the persons: buildings with safety services or medical care facilities, hospitals, …
- Dedicated to public services, cultural heritage, religious buildings,…
- With professional activities: commercial buildings, hotels, banks, industries, farms,…
- Equipped with a LPS (Lightning Protection System: protection of buildings against direct lightning strikes) and/or designed according to IEC/EN 62035 standard
- With large number of persons: large residential, offices, schools, (Mandatory in Europe according to HD 60364)
- Small buildings: small commercial buildings, houses, small multi-family buildings, according to a risk analysis[1]

Risk levels:
- **Very high risk:** EN/IEC 62305 standards, installations with a LPS or metal structure (acting as a lightning conductor), installations that are isolated, or on a high mountain, or have a history of lightning strikes, etc.
- **High risk:** installations outside of urban areas, in mountainous areas, isolated, at the end of a line, near a body of water, trees or near installations equipped with lightning conductors, etc.
- **Low risk:** installations in urban areas (or grouped buildings), flat areas, or low and medium height mountains



MB: Main Distribution Board
DB: Distribution Board

Low voltage installation	Main distribution board	Power network	Group or individual houses, small commercial buildings In ≤ 125 A – Isc	SPD type	SPD (N left/right) + recommended overcurrent protection[2]	Commercial buildings In ≤ 400 A – Isc	SPD type	SPD (N left/right) + recommended overcurrent protection[2]	Large commercial/ Industrial buildings (IT earthing system: see below) In > 400 A – Isc	SPD type	SPD (N left/right) + recommended overcurrent protection[2]
MB	Very high risk – All areas	1P+N	≤ 10 kA	T1+T2 / 12.5 kA	4 122 74/76 + 4 078 06	≤ 25 kA	T1+T2/25 kA	-	≤ 50 kA	T1+T2/25 kA	-
		3P			4 122 72 + 4 078 65			4 122 82 + 4 200 44			4 122 82 + 4 201 24
		3P+N			4 122 75/77 + 4 079 34			4 122 83 + 4 200 54			4 122 83 + 4 201 34
	High risk – Non-urban areas, mountains, etc.	1P+N		T1+T2 / 8 kA	4 122 54/56 + 4 078 04		T1+T2/12.5 kA	-		T1+T2/25 kA	-
		3P			4 122 52 + 4 078 63			4 122 72 + 4 097 87			4 122 82 + 4 201 24
		3P+N			4 122 55/57 + 4 079 32			4 122 75/77 + 4 098 00			4 122 83 + 4 201 34
	Low risk – Urban areas, excluding mountains, etc.	1P+N		T2 / 40 kA	4 122 44/46 + 4 078 02		T1+T2/12.5 kA	-		T1+T2/12.5 kA	-
		3P			4 122 42 + 4 078 61			4 122 72 + 4 097 87			4 122 72 + 4 101 67
		3P+N			4 122 45/47 + 4 079 30			4 122 75/77 + 4 098 00			4 122 75/77 + 4 101 80
DB	Distribution board – All risks	1P+N	≤ 6 kA	T2 /12 kA	0 039 51 (integrated protection)	≤ 10 kA	T2 / 12 kA	0 039 71 (integrated protection)	≤ 25 kA	-	-
		3P			-			-			-
		3P+N			0 039 53 (integrated protection)			0 039 73 (integrated protection)			-
		1P+N		T2 / 20 kA	4 122 24/26 + 4 078 01	≤ 16 kA	T2/20 kA	4 122 60/62 + 4 092 03		T2/40 kA	4 122 64/66 + 4 097 70
		3P			-			4 122 42[3] + 4 092 55			4 122 42[3] + 4 097 83
		3P+N			4 122 25/27 + 4 079 29			4 122 61/63 + 4 093 37			4 122 65/67 + 4 097 96
	Proximity protection of sensitive equipment		Multi-outlet extensions		6 946 14/48/51/56/64/66/70/71	Mosaic		0 775 40	Mosaic		0 775 40
			Mosaic		0 775 40						
Communication lines			(See p. 70)		When low voltage SPDs are present, protection of all lines entering the building is recommended						

1: According to installation standards IEC/HD 60364 parts 443 and 534
2: Recommended protective device to be used according to the type of SPD and requirements of the installation (see opposite table and technical pages)
3: Standard modular SPD

SPDs Cat.Nos	T1+T2 / 25 kA and 35 kA 4 122 80/81/82/83		T1+T2 / 12.5 kA 4 122 70/71/72/73/74/75/76/77			T1+T2 / 8 kA 4 122 50/51/52/53/54/55/56/57			T2 / 40 kA 4 122 30/32/33/40/41/42/43/44/45/46/ 47/64/65/66/67			T2 / 20 kA 4 122 20/21/23/24/25/26/27/60/61/62/63		
Network	3P	3P+N	1P+N	3P	3P+N	1P+N	3P	3P+N	1P+N	3P	3P+N	1P+N	3P	3P+N
Circuit breaker	DPX[3]160 - 80 A		DX[3] 63 A C curve			DX[3] 40 A C curve			DX[3] 25 A C curve			DX[3] 20 A C curve		
	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P	2P	3P	4P
Isc ≤ 10 kA	-	-	4 078 06	4 078 65	4 079 34	4 078 04	4 078 63	4 079 32	4 078 02	4 078 61	4 079 30	4 078 01	4 078 60	4 079 29
Isc ≤ 16 kA	4 200 04	4 200 14	4 092 08	4 092 60	4 093 42	4 092 06	4 092 58	4 093 40	4 092 04	4 092 56	4 093 38	4 092 03	4 092 55	4 093 37
Isc ≤ 25 kA	4 200 44	4 200 54	4 097 74	4 097 87	4 098 00	4 097 72	4 097 85	4 097 98	4 097 70	4 097 83	4 097 96	4 097 69	4 097 82	4 097 95
Isc ≤ 50 kA	4 201 24	4 201 34	4 101 54	4 101 67	4 101 80	4 101 52	4 101 65	4 101 78	4 101 50	4 101 63	4 101 76	-	-	-

IT earthing system (all risks)

SPD type		Network	Icc	SPD + protective device[2]
MB	T1+T2 35 kA/440 V	3P	50 kA	4 122 80 (x 3) + 4 201 24
		3P+N		4 122 80 (x 4) + 4 201 34
DB	T2 40 kA/440 V	1P+N	25 kA	4 122 30 (x 2) + 4 097 70
		3P		4 122 32 + 4 097 83
		3P+N		4 122 33 + 4 097 96

Surge Protective Devices (SPDs)

technical characteristics

Modular SPDs

230/400 V~ power network (50/60 Hz) - Degree of protection IP 20
Operating temperature: -10 to +40°C/Storage temperature: -20 to +70°C
1P+N (3P+N) SPDs: L-N and N-PE protection, also called 1+1 (3+1 resp.) or CT2 type protection depending on installation standards.

Cat.Nos	Type	Poles	Earthing system	Max. voltage (Uc)	Protection mode	Nominal current In/pole (8/20)	Max. discharge current			Protection level		Max. short-circuit current Isc (Isccr)	Protective device to be used [1]	FS auxiliary (remote status monitoring)
							Imax/ pole (8/20)	Imp/pole (10/350)	I total (10/350)	Up (L-N/L-PE/N-PE)	Up at 5 kA			
4 122 80	T1+T2/35 kA	1P	TT, TNC, TNS, IT	440 V~	CT1	35 kA	50 kA	35 kA	35 kA	2.5 kV		50 kA	DPX[3]160 80 A	yes
4 122 81	T1+T2/25 kA	1P+N	TT, TNS	350 V~	CT2	25/50 kA	50/100 kA	25/50 kA	50 kA	1.5/2.5/1.5 kV				yes
4 122 82	T1+T2/25 kA	3P	TNC	350 V~	CT1	25 kA	50 kA	25 kA	75 kA	1.5 kV				yes
4 122 83	T1+T2/25 kA	3P+N	TT, TNS	350 V~	CT2	25/100 kA	50/100 kA	25/100 kA	100 kA	1.5/2.5/1.5 kV				yes
4 122 70	T1+T2/12.5 kA	1P	TT, TNC, TNS	320 V~	CT1	25 kA	60 kA	12.5 kA	12.5 kA	1.5 kV at 12.5 kA 1.9 kV at 25 kA	1 kV	50 kA	DX[3] 63 A C curve	no
4 122 71	T1+T2/12.5 kA	2P	TT, TNS	320 V~	CT1	25 kA	60 kA	12.5 kA	25 kA					no
4 122 72	T1+T2/12.5 kA	3P	TNC	320 V~	CT1	25 kA	60 kA	12.5 kA	37.5 kA					yes
4 122 73	T1+T2/12.5 kA	4P	TT, TNS	320 V~	CT1	25 kA	60 kA	12.5 kA	50 kA					no
4 122 74/76	T1+T2/12.5 kA	1P+N	TT, TNS	320 V~	CT2	25/25 kA	60 kA	12.5/25 kA	25 kA	1.5/1.6/1.5 kV at 12.5 kA 1.9/2.1/1.5 kV at 25 kA	1 kV			yes
4 122 75/77	T1+T2/12.5 kA	3P+N	TT, TNS	320 V~	CT2	25/50 kA	60 kA	12.5/50 kA	50 kA					yes
4 122 50	T1+T2/8 kA	1P	TT, TNC, TNS	320 V~	CT1	20 kA	50 kA	8 kA	8 kA	1.2 kV at 8 kA 1.7 kV at 20 kA	1 kV	50 kA	DX[3] 40 A C curve	no
4 122 51	T1+T2/8 kA	2P	TT, TNS	320 V~	CT1	20 kA	50 kA	8 kA	16 kA					no
4 122 52	T1+T2/8 kA	3P	TNC	320 V~	CT1	20 kA	50 kA	8 kA	25 kA					no
4 122 53	T1+T2/8 kA	4P	TT, TNS	320 V~	CT1	20 kA	50 kA	8 kA	32 kA					no
4 122 54/56	T1+T2/8 kA	1P+N	TT, TNS	320 V~	CT2	20 kA	50 kA	8 kA	16 kA	1.2/1.5/1.5 kV at 8 kA 1.7/2/1.5 kV at 20 kA	1 kV			no
4 122 55/57	T1+T2/8 kA	3P+N	TT, TNS	320 V~	CT2	20 kA	50 kA	8 kA	25 kA					no
4 122 40	T2/40 kA	1P	TT, TNC, TNS	320 V~	CT1	20 kA	40 kA			1.5 kV at 15 kA 1.7 kV at 20 kA	1 kV	50 kA	DX[3] 25 A C curve	no
4 122 41	T2/40 kA	2P	TT, TNS	320 V~	CT1	20 kA	40 kA					50 kA		no
4 122 42	T2/40 kA	3P	TNC	320 V~	CT1	20 kA	40 kA					50 kA		yes
4 122 43	T2/40 kA	4P	TT, TNS	320 V~	CT1	20 kA	40 kA					50 kA		no
4 122 44/46 4 122 64/66	T2/40 kA	1P+N	TT, TNS	320 V~	CT2	20 kA	40 kA			1.5/1.6/1.4 kV at 15 kA 1.7/2/1.4 kV at 20 kA	1 kV	50 kA 25 kA		no yes
4 122 45/47 4 122 65/67	T2/40 kA	3P+N	TT, TNS	320 V~	CT2	20 kA	40 kA					50 kA 25 kA		no yes
4 122 30	T2/40 kA	1P	TT, TNC, TNS, IT	440 V~	CT1	20 kA	40 kA			1.8 kV at 15 kA 2.1 kV at 20 kA	1.3 kV	50 kA	DX[3] 25 A C curve	no
4 122 32	T2/40 kA	3P	TNC, IT	440 V~	CT1	20 kA	40 kA							yes
4 122 33	T2/40 kA	4P	TT, TNS, IT	440 V~	CT1	20 kA	40 kA							yes
4 122 20	T2/20 kA	1P	TT, TNS	320 V~	CT1	10 kA	20 kA			1.2 kV at 5 kA 1.4 kV at 10 kA	1.2 kV	25 kA	DX[3] 20 A C curve	no
4 122 21	T2/20 kA	2P	TT, TNS	320 V~	CT1	10 kA	20 kA							no
4 122 23	T2/20 kA	4P	TT, TNS	320 V~	CT1	10 kA	20 kA							no
4 122 24/26 4 122 60/62	T2/20 kA	1P+N	TT, TNS	320 V~	CT2	10/20 kA	20 kA			1.2/1.4/1.4 kV at 5 kA 1.4/1.4/1.4 kV at 10 kA	1.2 kV			no yes
4 122 25/27 4 122 61/63	T2/20 kA	3P+N	TT, TNS	320 V~	CT2	10/20 kA	20 kA							no yes
0 039 51 0 039 71	T2+T3/12 kA	1P+N	TT, TNS	275 V~	CT2	10/10 kA	12 kA			1.1/1.2/1.2 kV at 10 kA	1 kV	6 kA 10 kA	integrated protection	no
0 039 53 0 039 73	T2+T3/12 kA	3P+N	TT, TNS	275 V~	CT2	10/20 kA	20 kA					6 kA 10 kA		

CT1: L(N)-PE protection modes.
CT2: L-N and N-PE protection modes.
1: DPX[3] (only T1 + T2 SPDs Cat.Nos 4 122 80/81/82/83), DX[3] or similar type circuit breakers (with T2 and other T1+T2 SPDs). For fuse protection or values other than those indicated in the table: please consult Legrand.

Characteristics of proximity SPDs

230 V~ protection: Type 3 (T3) SPDs

Cat.Nos	**0 775 40** (p. 828)	**6 946 64/66/70** (p. 608 and 614)	**6 946 14/48/51/56/71** (p. 614)
Protection mode	LN/NPE	LN/LPE/NPE	LN
Up	1/1.2 kV	1 kV	1 kV
Imax	6 kA	-	-
In	1.5 kA	2 kA	2 kA
Uoc	3 kV	4 kV	4 kV

TT earthing system: Installation downstream of a residual current device (HPI type recommended).

RJ 45/RJ 11 protection

Cat. No.	**6 946 64** (p. 614)	**6 946 70** (p. 608)
Uc	200 V	
Up	600 V	
Imax	1.5 kA	
In	1 kA	
Uoc	3 kV	

TV protection (9.5 mm coax.)

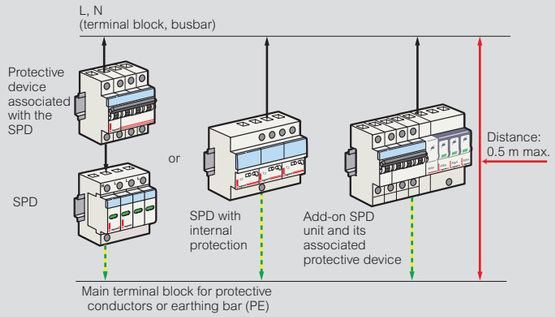
Cat. No.	**6 946 66** (p. 614)
Uc	50 V
Up	900 V
Imax	5 kA
In	1 kA
Uoc	3 kV

Installation

Associated overcurrent protection

SPDs must be protected by a circuit breaker (or fuses), to provide protection in the event of an overload, which may make the SPD reach its end of life (see selection table p. 10-11). This protective device will be defined to be coordinated or discriminating with regard to upstream protective devices.

Connection principles



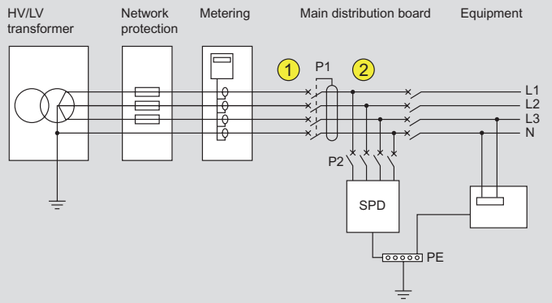
Connection lengths: as short as possible (< 50 cm if possible).

EMC (Electromagnetic Compatibility) rules: avoid loops, fix the cables firmly against the exposed metal conductive parts of the enlcosure.

SPD types and earthing systems

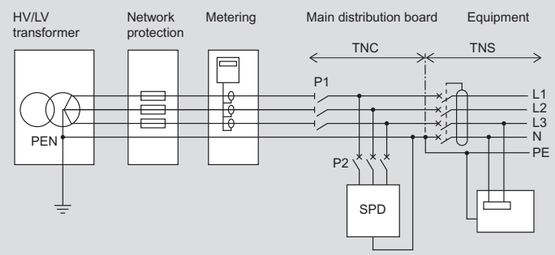
When possible (according to local rules), the SPD and its associated overcurrent protection (P2) should be installed upstream of the main protection (P1) as shown below (according to standards HD/IEC 60364).

SPDs and TT earthing system



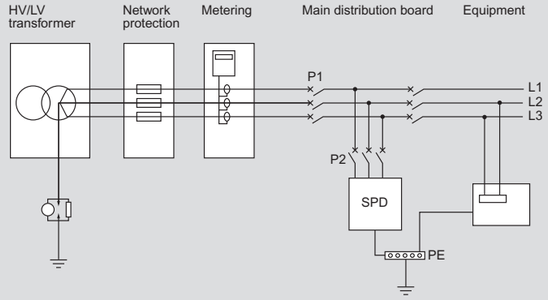
P1: main protection of the installation
SPD: surge protective device with Uc 275 or 320 V recommended
1 (upstream of P1): 1P+N/3P+N SPDs only (except for Cat.Nos 0 039 51/53/71/73).
1P/2P/3P/4P SPDs and Cat.Nos 0 039 51/53/71/73 must always be installed downstream of a residual current device (discriminating or delayed, at the supply end of the installation).
2 (downstream of P1): any SPD.

SPDs and TN (TNC, TNS and TNC-S) earthing systems



P1: main protection of the installation
SPD: surge protective device with Uc 275 or 320 V recommended

SPDs and IT earthing system



P1: main protection of the installation
SPD: surge protective device with Uc 440 V (Uc < 440 V prohibited)

Coordinating upstream/downstream SPDs

Consists of ensuring that any downstream SPD (in distribution enclosures or proximity SPDs) is correctly coordinated in energy terms with any SPD located upstream (TS 61643-12).

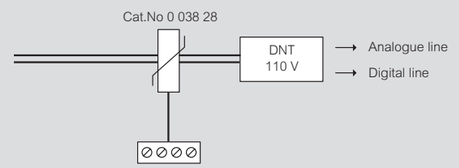
Minimum distances between SPDs

Upstream SPD	Downstream SPD	Minimum distance between SPDs (m)	
		With LPS	Without LPS
T1+T2/35 and T1+T2/25	**T2/40 (Uc 440V)**	0	0
	T2/40 (Uc 320V)	1	0
T1+T2/12.5 and T1+T2/8	**T2/40**	5	0
	T2/20 or T2/12	8	0
T2/40	**T2/20 or T2/12**	-	1
T2/20	**T2/12**	-	0.5
T2/20 and T2/12	**Proximity SPDs**	-	2

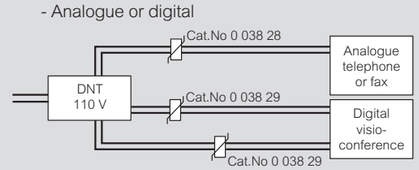
Installation for telephone lines

Protection of a telephone line

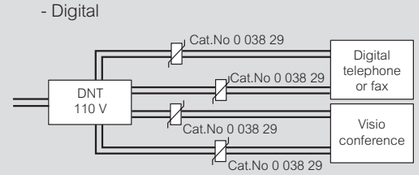
- Upstream the communication distribution box



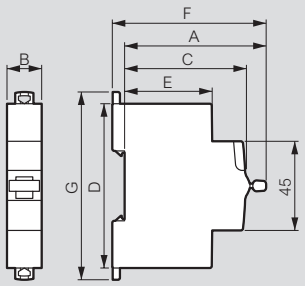
- Downstream the communication distribution box
  - Analogue or digital

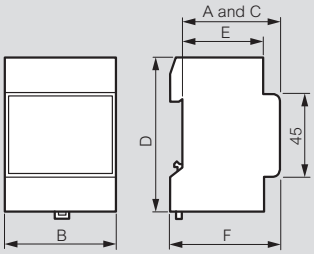


  - Digital



Dimensions of din-rail equipment





Product	A	B					C	D	E	F	G
		1P	1P+ N	2P	3P	4P					
RX³ MCBs	71.7	17.7	35.4	35.4	53.1	70.8	61	83	44	77.8	88.9
RX³ RCCBs	71.7			35.6		71.2	61	83	44	77.8	88.9
TX³ MCBs	71.7	17.7	35.4	35.4	53.1	70.8	61	83	44	77.8	88.9
TX³ RCCBs	71.7			35.6		71.2	61	83	44	77.8	88.9
Isolating switches DX³	71.7	17.8		17.8/ 35.4	35.6/ 53.1	35.6/ 70.8	61	83	44	77.8	94.8
Remote trip head isolating switches DX³ up to 63A - 1 mod/pole	71.7			35.4	53.1	70.8	61	83	44	77.9	94.8
Remote trip head isolating switches DX³ 100/125A - 1.5 mod/pole	73				80.1	106.8	61	96	47	79	104.3
DX³ RCCBs	71.7			35.6		71.2	61	83	44	77.8	94.8
1P DX³ RCBOs (up to 45A)	68	17.7					60	115	48	74	126.8
1P+N DX³ RCBOs (up to 40A) & 4P (up to 32A)	71.7		35.6			71.2	61	83	44	77.8	94.8
2P & 4P DX³ RCBOs (40A to 63A)	72			71.2		124.6	61	96	44	78.2	107.8
1P+N DX³ MCBs 1 mod	71.7		17.8				61	83	44	77.8	94.8
DX³ MCBs - 1 mod/pole	71.7	17.7	35.4	35.4	53.1	70.8	61	83	44	77.8	94.8
DX³ MCBs - 1,5 mod/pole	73.1	26.7		53.4	80.1	106.8	61	100	47	79	104.3
DX³ add-on modules up to 63A - 1 mod/pole	72			35.6	53.4	53.4	61	96	44	78.2	107.8
DX³ add-on modules up to 63A - 1.5 mod/pole	72			35.6	53.4	53.4	61	96	47	78.2	116.7
DX³ add-on modules 80 to 125A - 1.5 mod/pole	72			71.2	106.8	106.8	61	114	47	78.2	129
DX³ auxiliaries	71.5	8.8 / 17.7					61	83	44	77.7	84.5
DX³ remote control	74.3	17.7 / 35.4					61	83	44	80.5	98.8
DX³ Stop&Go automatic resetting	74.3	35.4					61	83	44	80.5	113.7
Change-over switches	68	17.7		35.6			60	83	44	74	94
CX³ latching relays	64	17.8		17.8	35.6	35.6	61	84.5	44	70.2	94.8
CX³ contactors up to 25A	66.3/ 61	17.8		17.8	35.6	35.6	61	84.5	44	72.6/ 67.3	94.8
CX³ contactors 40A & 63A	62			35.6	53.4	53.4	60	83	44	68	94
Auxiliaries for CX³ contactors and latching relays	61	9/17.8					61	84.5	44	67	84.5
Push-buttons / control switches	68	17.7					60	83	44	74	94
Indicators	68	17.7					60	83	44	69	94
Bells and buzzers	60	17.7					60	76	44	66	85
Light sensitive switches											
Cat.Nos 0 037 21, 4 126 23	60	35.6					60	85	37.5	66	70
Socket outlets	60	44.5					60	83	44	66	92
Time delay relays	60	17.7					60	83	44	66	94
Remote control dimmers											
Cat.No 0 036 58	60	36					60	83	44	66	94
Cat.No 0 036 60	60	72					60	83	44	66	94
Cat.No 0 036 71	60	108					60	83	44	66	94

Description		A	B	C	D	E	F
Programmable time switches	0 037 05	60	17.8	60	83	44	66
	4 127 80/90/94	60	17.8	60	83	44	66
	4 127 95, 4 128 12/13	60	53	60	83	44	66
	4 126 31/33/41	60	35.6	60	83	44	66
	4 126 54/57	60	35.6	60	83	44	66
	0 047 70	60	90	60	83	44	66
Transformers and power supplies							
	0 042 10/30/31	60	72	60	83	44	66
	4 130 91	60	35.8	60	83.5	44	66
	4 130 92/93/96	60	71.5	60	83.5	44	66
	4 130 98	60	89	60	94	44	66
	0 047 91/92	60	105	60	95	44	66
	4 131 05/06/07/08	60	89	60	95	44	66
	0 047 93	60	70	60	95	44	66
Residual current relay							
	0 260 88	60	35.5	60	89	44	66