

BEIRUT ELECTRO TRADE

BETRA CATALOG



2024 CATALOG



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BETRA PRODUCTS

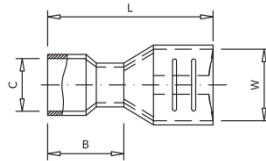
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 **sofamel**

Insulated Terminals

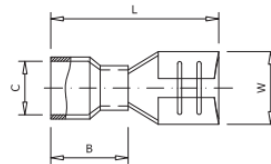


270 AFH/A

Fully insulated female connector

AFH/A connector manufactured from electrolytic copper strap with PVC insulation. Incorporates an inside fitting which provides a better security to stand possible mechanical vibrations.

Code	Ref.	Section (mm ²)	Dimensions (mm)				 x 1.000		
			W	L	B	C			
● 305100	AFH/A-1,5	1,5	6,6	21,8	10,5	1,7	1,094	100	800
● 305110	AFH/A-2,5	2,5		22,2	10,5	2,3	1,282	100	800
● 305120	AFH/A-6	6,0		24,2	12,5	3,4	1,764	100	500

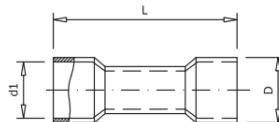


270 AFH

Insulated female connector

AFH connector manufactured from electrolytic copper strap with PVC insulation. Incorporates an inside fitting which provides a better security to stand possible mechanical vibrations.

Code	Ref.	Section (mm ²)	Dimensions (mm)				 x 1.000		
			W	L	B	C			
280100	AFH-1,5/2,8	1,5	3,2	19,0	10,5	1,7	0,604	100	1600
280120	AFH-1,5/4,8		5,0	19,4	10,5	1,7	0,754	100	1400
● 280130	AFH-1,5/6,3		6,6	20,8	10,5	1,7	0,874	100	1200
280140	AFH-2,5/4,8	2,5	5,0	19,4	10,5	2,3	0,942	100	1400
● 280150	AFH-2,5/6,3		6,6	20,8	10,5	2,3	1,022	100	1000
● 280160	AFH-6/6,3	6,0	6,6	23,3	13,0	3,4	1,534	100	700
280170	AFH-6/9,5		10,0	28,6	13,0	3,4	2,534	100	500

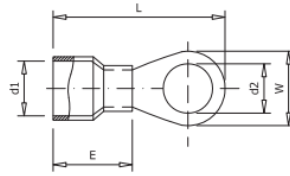


270 AML

Insulated butt-connector

AML butt-connector manufactured from electrolytic copper strap with PVC insulation. Incorporates an inside fitting which provides a better security to stand possible mechanical vibrations.

Code	Ref.	Section (mm ²)	Dimensions (mm)			 x 1.000		
			L	D	L			
● 300100	AML-1,5	1,5	24,2	4,0	1,7	0,840	100	1000
● 300110	AML-2,5	2,5	24,2	4,5	2,3	1,010	100	800
● 300120	AML-6	6,0	26,0	6,3	3,4	2,130	100	500

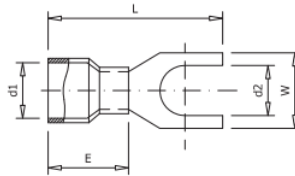


270 AT

Insulated ring terminal

AT terminal manufactured from electrolytic copper strap with PVC insulation.

Code	Ref.	Section (mm ²)	Metric	Dimensions (mm)					Kg x 1.000	Bag	Box
				d2	W	E	d1	L			
270100	AT-1,5/3	1,5	3	3,2	5,5	10,0	1,7	17,5	0,580	100	1600
270110	AT-1,5/4		4	4,3	6,6			19,4	0,620	100	1600
270120	AT-1,5/5		5	5,3	8,0			20,8	0,680	100	1600
270130	AT-1,5/6		6	6,4	10,0			23,0	0,850	100	1000
270140	AT-1,5/8		8	8,4	11,6			26,8	0,930	100	1000
270160	AT-2,5/3	2,5	3	3,2	6,6	10,0	2,3	17,8	0,708	100	1400
270170	AT-2,5/4		4	4,3	6,6			19,4	0,710	100	1400
270180	AT-2,5/5		5	5,3	8,5			21,8	0,829	100	1200
270190	AT-2,5/6		6	6,4	11,0			26,8	1,172	100	1000
270200	AT-2,5/8		8	8,4	11,8			26,8	1,000	100	1000
270220	AT-6/4	6,0	4	4,3	7,2	13,0	3,4	22,7	1,341	100	800
270230	AT-6/5		5	5,3	9,5			26,0	1,623	100	700
270240	AT-6/6		6	6,4	12,0			29,5	1,927	100	600
270250	AT-6/8		8	8,4	15,0			34,0	2,374	100	500



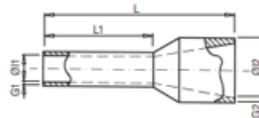
270 AU

Insulated fork terminal

AU terminal manufactured from electrolytic copper strap with PVC insulation.

Code	Ref.	Section (mm ²)	Metric	Dimensions (mm)					Kg x 1.000	Bag	Box
				d2	W	E	d1	L			
275100	AU-1,5/3	1,5	3	3,2	5,7	10,0	1,7	21,0	0,660	100	1600
275110	AU-1,5/4		4	4,3	6,4			21,0	0,650	100	1600
275120	AU-1,5/5		5	5,3	8,1			21,0	0,680	100	1400
275130	AU-1,5/6		6	6,4	9,5			21,0	0,680	100	1400
275140	AU-1,5/8		8	-	-			-	1,000	100	1000
275160	AU-2,5/3	2,5	3	3,2	5,7	10,0	2,3	21,0	0,771	100	1400
275170	AU-2,5/4		4	4,3	6,4			21,0	0,748	100	1400
275180	AU-2,5/5		5	5,3	7,9			21,0	0,786	100	1200
275190	AU-2,5/6		6	6,4	9,3			21,0	0,781	100	1200
275200	AU-2,5/8		8	-	-			-	0,946	100	800
275220	AU-6/4	6,0	4	4,3	8,3	13,0	3,4	25,5	1,542	100	800
275230	AU-6/5		5	5,3	9,0			25,5	1,523	100	800
275240	AU-6/6		6	6,4	9,0			25,5	1,417	100	700
275250	AU-6/8		8	8,4	14,0			30,5	2,116	100	600

Cord End Terminals



Cord end terminal

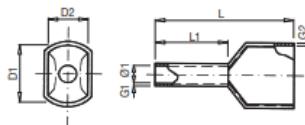
APF cord end terminal manufactured from electrolytic copper capillary tube with a tinplated finish to improve electrical contact. The insulating part is made of polypropylene (PP).

Section (mm ²)	L1	Code	Ref.	Colour	
				F	
0,50	8	245100	APF-0,50		WHITE
0,75	8	245110	APF-0,75		BLUE
1	8	245120	APF-1,00		RED
1,5	8	245130	APF-1,50		BLACK
2,5	8	245140	APF-2,50		GREY
4	10	245150	APF-4,00		ORANGE
6	12	245160	APF-6,00		GREEN
10	12	245170	APF-10,00		BROWN
16	12	245180	APF-16,00		IVORY
25	16	245190	APF-25,00		BLACK
35	16	245200	APF-35,00		RED
50	20	245210	APF-50,00		BLUE



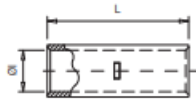
Twin cord end terminal

APF/D cord end terminal manufactured from electrolytic copper capillary tube with a tinplated finish to improve electrical contact. The insulating part is made of polypropylene (PP). It is designed for electrical panel boards.



Section (mm ²)	L1	Code	Ref.	Colour	
				F	
0,50	8	255100	APF/D-0,50 D		WHITE
0,75	8	258110	APF/D-0,75		BLUE
1	8	255120	APF/D-1,00 D		RED
1,5	8	255130	APF/D-1,50 D		BLACK
2,5	10	258140	APF/D-2,50		GREY
4	12	258150	APF/D-4,00		ORANGE
6	14	258160	APF/D-6,00		GREEN
10	14	258170	APF/D-10,00		BROWN
16	14	258180	APF/D-16,00		IVORY

Copper Connectors

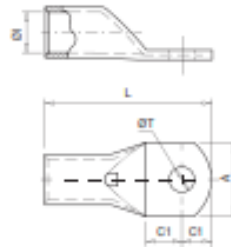


015 M

Copper butt-connector

M copper butt-connector manufactured from electrolytic copper with a tinplated finish to improve electrical contact. Incorporates a central stop which facilitates the correct cable positioning.
According to IEC 61238-1-1 standard.

Code	Ref.	Section (mm ²)	Dimensions (mm)		 x 100	 Bag	 Box
			Øl	L			
015100	M-1,5	1,5	1,8	15,0	0,072	100	5000
015110	M-2,5	2,5	2,7	15,0	0,109	100	3500
015120	M-4	4	3,3	22,0	0,204	100	1600
015130	M-6	6	3,8	22,0	0,227	100	1300
015140	M-10	10	4,7	25,0	0,397	100	800
015150	M-16	16	5,6	27,0	0,516	100	600
015160	M-25	25	7,1	29,0	0,730	50	400
015170	M-35	35	8,7	33,0	1,127	50	250
015190	M-50	50	9,8	35,0	1,434	20	200
015200	M-70	70	11,5	39,0	2,149	20	120
015210	M-95	95	13,5	43,0	2,906	20	80
015220	M-120	120	15,6	47,0	4,730	10	60
015230	M-150	150	16,5	58,0	6,375	10	50
015240	M-185	185	18,9	64,0	8,929	10	40
015250	M-240	240	21,2	75,0	11,834	5	30
015260	M-300	300	23,4	90,0	16,082	5	15
015270	M-400	400	26,8	90,0	20,998	5	10
015280	M-500	500	29,8	98,0	40,235	1	5
015290	M-630	630	34,5	105,0	64,730	1	1



010 T

Copper cable lug

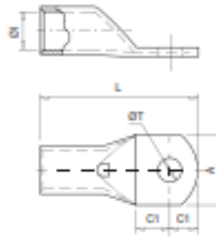
T cable lug manufactured from electrolytic copper with a tinplated finish to improve electrical contact.

Incorporates inspection hole to check the correct cable positioning.

According to IEC 61238-1-1 standard.



Code	Ref.	Section (mm ²)		Dimensions (mm)						 x 100	 Bag	 Box
				ØI	L	ØT	A	C1	C2			
010100	T-1,5/4	1,5	4	1,8	18,0	4,3	8,7	5,0	4,0	0,074	100	3000
010110	T-1,5/5		5		18,5	5,3	8,7	5,0	4,5	0,071	100	3000
010120	T-1,5/6		6		20,0	6,4	11,0	6,0	5,0	0,081	100	2000
010130	T-2,5/4	2,5	4	2,7	18,0	4,3	8,7	5,0	4,0	0,111	100	2000
010140	T-2,5/5		5		19,0	5,3	8,7	5,5	4,5	0,112	100	2000
010150	T-2,5/6		6		20,0	6,4	9,0	6,0	5,0	0,110	100	1800
010160	T-2,5/8	4	8	3,3	24,0	8,3	12,0	8,0	7,0	0,128	100	1800
010170	T-4/4		4		21,0	4,3	8,7	5,0	4,5	0,168	100	1600
010180	T-4/5		5		21,0	5,3	8,7	5,0	4,5	0,163	100	1600
010190	T-4/6	6	6	3,8	23,0	6,4	11,0	6,0	5,5	0,171	100	1600
010200	T-4/8		8		26,5	8,3	14,0	8,0	7,0	0,179	100	1200
010210	T-6/4		4		23,0	4,3	10,3	6,0	5,0	0,204	100	1600
010220	T-6/5	10	5	4,7	23,0	5,3	10,3	6,0	5,0	0,202	100	1500
010230	T-6/6		6		24,0	6,4	10,3	6,0	5,5	0,200	100	1500
010240	T-6/8		8		27,0	8,3	14,0	8,0	7,0	0,208	100	1300
010260	T-10/5	16	5	5,6	25,5	5,3	11,9	6,0	5,5	0,364	100	1000
010270	T-10/6		6		27,0	6,4	11,9	7,0	6,0	0,361	100	1000
010280	T-10/8		8		30,0	8,3	15,0	8,0	8,0	0,388	100	800
010290	T-10/10	25	10	7,1	34,0	10,5	18,0	10,5	9,5	0,414	100	600
010310	T-16/5		5		26,5	5,3	11,9	6,0	5,0	0,465	100	700
010320	T-16/6		6		28,5	6,4	11,9	7,0	6,0	0,489	100	700
010330	T-16/8	35	8	8,7	31,0	8,3	15,0	8,0	7,5	0,500	100	600
010340	T-16/10		10		34,5	10,5	18,0	10,0	9,0	0,524	100	500
010350	T-16/12		12		38,5	13,0	20,0	12,0	11,0	0,552	100	500
010360	T-25/6	50	6	9,8	31,0	6,4	13,8	7,0	6,0	0,700	50	450
010370	T-25/8		8		34,0	8,3	15,0	8,5	7,5	0,742	50	450
010380	T-25/10		10		39,0	10,5	18,0	11,0	10,0	0,811	50	400
010390	T-25/12	35	12	8,7	41,0	13,0	21,0	12,0	11,0	0,793	50	300
010410	T-35/6		6		34,0	6,4	15,7	7,0	6,0	1,081	50	300
010420	T-35/8		8		38,0	8,3	15,7	9,0	8,0	1,165	50	300
010430	T-35/10	50	10	9,8	42,0	10,5	19,0	11,0	10,0	1,221	50	200
010440	T-35/12		12		44,0	13,0	21,0	12,0	11,0	1,231	50	200
010450	T-35/14		14		48,0	14,5	21,0	14,0	13,0	1,315	50	200
010500	T-50/6	16	6	9,8	41,0	6,4	17,9	8,0	7,0	1,570	20	200
010510	T-50/8		8		43,0	8,3	17,9	9,0	8,0	1,591	20	180
010520	T-50/10		10		47,0	10,5	20,0	11,0	10,0	1,706	20	160
010530	T-50/12	50	12	9,8	51,0	13,0	21,0	13,0	12,0	1,746	20	160
010540	T-50/14		14		53,0	14,5	25,0	14,0	13,0	1,793	20	140
010550	T-50/16		16		55,0	16,5	26,0	15,0	14,0	1,771	20	140



010 T

Copper cable lug

T cable lug manufactured from electrolytic copper with a tinplated finish to improve electrical contact.
Incorporates inspection hole to check the correct cable positioning.
According to IEC 61238-1-1 standard.



Code	Ref.	Section (mm²)		Dimensions (mm)						Kg x 100	Bag	Box
				ØI	L	ØT	A	C1	C2			
010570	T-70/8	70	8	11,5	47,0	8,3	21,5	9,0	8,0	2,385	20	120
010580	T-70/10		10		51,0	10,5	21,5	11,0	10,0	2,510	20	120
010590	T-70/12		12		53,0	13,0	21,5	12,0	11,0	2,504	20	120
010600	T-70/14		14		58,0	14,5	25,0	15,0	13,0	2,688	20	100
010610	T-70/16		16		59,0	16,5	26,0	15,0	14,0	2,617	20	100
010630	T-95/8	95	8	13,5	52,0	8,3	24,7	10,0	9,0	3,354	20	80
010640	T-95/10		10		55,0	10,5	24,7	11,0	11,0	3,387	20	80
010650	T-95/12		12		57,0	13,0	24,7	12,0	12,0	3,468	20	80
010660	T-95/14		14		61,0	14,5	24,7	15,0	13,0	3,622	20	80
010670	T-95/16		16		64,0	16,5	27,0	16,0	15,0	3,690	20	80
010690	T-120/8	120	8	15,6	56,0	8,3	28,9	10,0	9,0	5,357	10	60
010700	T-120/10		10		58,0	10,5	28,9	11,0	10,0	5,452	10	60
010710	T-120/12		12		63,0	13,0	28,9	14,0	12,0	5,800	10	60
010720	T-120/14		14		67,0	14,5	28,9	16,0	14,0	6,068	10	60
010730	T-120/16		16		71,0	16,5	28,9	17,0	16,0	6,296	10	60
010750	T-150/10	150	10	16,5	69,0	10,5	30,4	13,0	11,0	7,125	10	50
010760	T-150/12		12		75,0	13,0	30,4	16,0	14,0	7,749	10	50
010770	T-150/14		14		79,0	14,5	30,4	18,0	16,0	7,891	10	50
010780	T-150/16		16		79,0	16,5	30,4	18,0	16,0	7,694	10	40
010800	T-185/10	185	10	18,8	74,0	10,5	34,0	13,0	11,0	9,842	10	40
010810	T-185/12		12		80,0	13,0	34,0	16,0	14,0	10,447	10	40
010820	T-185/14		14		84,0	14,5	34,0	18,0	16,0	10,991	10	40
010830	T-185/16		16		85,0	16,5	34,0	18,0	17,0	10,831	10	40
010850	T-240/10	240	10	21,2	82,0	10,5	38,4	14,0	12,0	12,466	5	25
010860	T-240/12		12		86,0	13,0	38,4	16,0	14,0	12,916	5	25
010870	T-240/14		14		90,0	14,5	38,4	18,0	16,0	13,352	5	25
010880	T-240/16		16		91,0	16,5	38,4	18,0	17,0	13,198	5	25
010900	T-300/12	300	12	23,4	93,0	13,0	41,7	16,0	14,0	15,780	5	15
010910	T-300/14		14		94,0	14,5	41,7	16,0	15,0	17,249	5	15
010920	T-300/16		16		100,0	16,5	41,7	19,0	18,0	18,161	5	15
010940	T-400/12*	400	12	26,8	110,0	13,0	47,8	21,0	19,0	24,560	5	10
010950	T-400/16*		16		110,0	16,5	47,8	21,0	19,0	24,246	5	10
010960	T-400/20*		20		116,0	21,0	47,8	24,0	22,0	25,010	5	10
010980	T-500/16*	500	16	29,8	115,0	16,5	54,8	22,0	19,0	42,990	1	9
010985	T-500/20*		20		120,0	21,0	54,8	24,0	22,0	46,702	1	9
010988	T-630/16*	630	16	34,5	128,0	16,5	64,4	22,0	19,0	66,260	1	5
010990	T-630/20*		20		134,0	21,0	64,4	24,0	23,0	68,680	1	5

Solar Connections and Tools



11401 SCF/C

MC4 type connectors for 1000 V and 1500 V

MC4 type connectors, male and female: ensure a good connection and water tightness between the wiring terminations and the various elements that make up a photovoltaic installation.

SCF/C-1000V for cross-sections of between 2.5 and 6 mm²

SCF/C-1500V-A for cross-sections of between 2.5 and 6 mm²

SCF/C-1500V-B for 10 mm² cross-sections

A cable crimper is required for correct installation

Code	Ref.	Cable Section (mm ²)	 x 100	 Bag	 Box
501010	SCF/C-1000V	2.5-6	-	-	-
● 501020	SCF/C-1500V-A	2,5-6	-	-	-
501030	SCF/C-1500V-B	10	-	-	-



11402 SCF/FUSE

MC4 Type fuse holder for 1000 V and 1500 V

Integrated, watertight 20 A fuse in MC4 connector.

Possibility of changing fuse (from 15/20/30 A).

SCF/FUSE-1000V female-male

SCF/FUSE-1500V female-male

Code	Ref.	Amps (A)	 x 100	 Bag	 Box
501043	SCF/FUSE-1000V 15A	15	-	-	-
501044	SCF/FUSE-1000V 20A	20	-	-	-
501046	SCF/FUSE/L-1500V 15A	15	-	-	-
● 501047	SCF/FUSE/L-1500V 20A	20	-	-	-



● 385 SF-MC4

Crimping tool for solar connectors to 2.5-6 mm² cables for photovoltaic installations.

Code	Ref.	Length	Weight
520100	SF-MC4	220 mm	0,49 Kg

Hand Tools



390 SF-6

For cord end terminals from 0,50 to 16 mm².
Compression system by spring.

Code	Ref.	Length	Weight
 390100	SF-6	220 mm	0,25 Kg



390 SF-56

For cord end terminals from 10 to 35 mm².
Compression system by spring.

Code	Ref.	Length	Weight
390160	SF-56	220 mm	0,25 Kg

*Compression system
by squared diaphragm*



*Compression system
by spring*



*Compression system
by spring*



● 390 SF-42

For cord end terminals from 0,5 to 6 mm².
Compression system by squared diaphragm.

Code	Ref.	Length	Weight
390125	SF-42	175 mm	0,36 Kg

● 390 SF-9

For cord end terminals from 0,5 to 2,5 mm².
Compression system by spring.

Code	Ref.	Length	Weight
390110	SF-9	145 mm	0,11 Kg

390 SF-54

For cord end terminals from 1,5 to 6 mm².
Compression system by spring.

Code	Ref.	Length	Weight
390150	SF-54	140 mm	0,11 Kg

Compression using ratchet mechanism



390 SF-10

For cord end terminals from 0,75 to 10 mm².
Compression using ratchet mechanism.



Code	Ref.	Length	Weight
390120	SF-10	258 mm	0,65 Kg

Compression using ratchet mechanism



390 SF-35

For cord end terminals from 16 to 35 mm².
Compression using ratchet mechanism.



Code	Ref.	Length	Weight
390140	SF-35	250 mm	0,55 Kg

Compression using ratchet mechanism

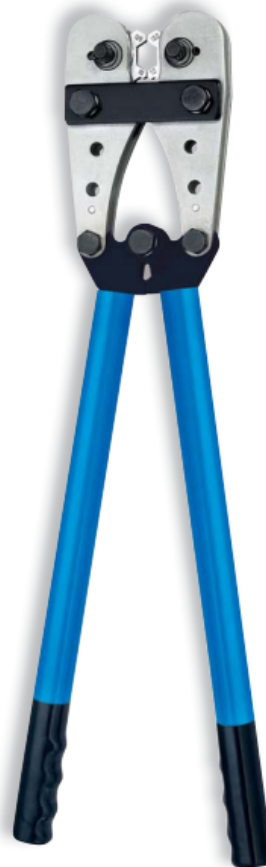


395 SF-16

For insulated terminals from 1,5 to 6 mm².
Compression using ratchet mechanism.



Code	Ref.	Length	Weight
395110	SF-16	250 mm	0,55 Kg



385 SF-17

For tubular copper terminals
from 6 to 50 mm².
Section adjustment by revolver system.
Hexagonal compression.

Code	Ref.	Length	Weight
385190	SF-17	390 mm	1,30 Kg

385 SF-37

For tubular copper terminals
from 6 to 120 mm².
Section adjustment by revolver system.
Hexagonal compression.

Code	Ref.	Length	Weight
385200	SF-37	620 mm	4,00 Kg

Adjustment by section
screw

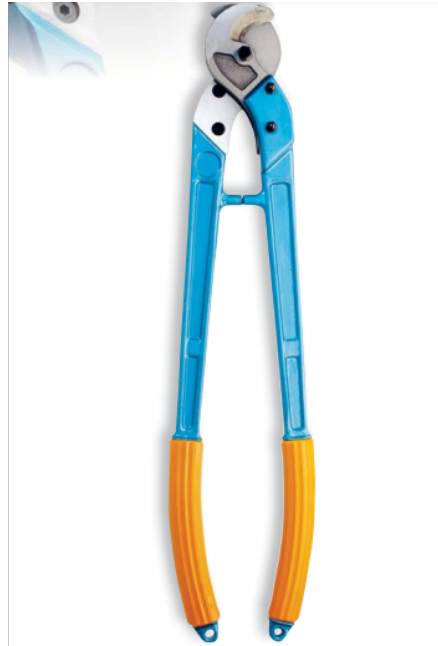


385 SF-7

For copper terminals and thin-wall tubular aluminum
from 10 to 95 mm².
Section adjustment by screw.

Code	Ref.	Length	Weight
385140	SF-7	570 mm	3,10 Kg





● **380 SF-20**

For copper and aluminium cables up to Ø38 mm.

Code	Ref.	Length	Weight
380150	SF-20	600 mm	1,54 Kg



● **380 SF-21**

For copper and aluminium cables up to 16 mm².

Code	Ref.	Length	Weight
380120	SF-21	160 mm	0,19 Kg



● **380 SF-30**

For copper and aluminium cables up to 35 mm².

Code	Ref.	Length	Weight
380130	SF-30	210 mm	0,36 Kg



● **380 SF-31**

For copper and aluminium cables up to 50 mm².

Code	Ref.	Length	Weight
380140	SF-31	235 mm	0,50 Kg



400 SF-22

For stripping wire from 0,5 to 6 mm².
Incorporates a buffer stop.

Code	Ref.	Length	Weight
400100	SF-22	170 mm	0,34 Kg

Wire stripper



20105 SF-38



- Designed for fast, safe and accurate stripping of PE, PVC, rubber and other materials. Ideal for fibre optic cables, providing accurate stripping on multi-fibre cables.
- Suitable for cable diameters from 4 to 25 mm.
- Allows rotary or longitudinal cuts along the length of the cable for end stripping.
- Spiral cut facilitates removal of tougher jackets.
- Spring-loaded bracket secures the cable firmly to the blade for a controlled cut.
- Ergonomic design for ease of use and storage.
- Long lasting blade for easy depth adjustment.

Code	Ref.	Stripping range	Length	Weight
400110	SF-38	4-25 mm	136 mm	0.13 Kg



*For stripping the plastic
or rubber insulation*

20105 PL-6

- Stripping diameter can be adjusted automatically for different wire cross sections.
- Precise blade design without damaging the conductor cores.
- During stripping, the wire is held firm by clamping jaws.
- With adjustable length stop, with a spring returns the stripper to the starting position, long lifetime.

Code	Ref.	Stripping range	Length	Weight
380030	PL-6	0,25-2,5 mm ²	170 mm	0,25 Kg



*Punching
compression*



385 SF-8

For cable lugs from 1,5 to 16 mm².
Punching compression.

Code	Ref.	Length	Weight
385170	SF-8	270 mm	0,52 Kg

*Punching
compression*



385 SF-41

For cable lugs from 6 to 25 mm².
Punching compression.

Code	Ref.	Length	Weight
385180	SF-41	354 mm	0,78 Kg

*Punching
compression*



385 SF-55

For cable lugs of 10, 16, 25, 35
and 50mm².
With ratchet device.
Punching compression.

Code	Ref.	Length	Weight
390180	SF-55	275 mm	0,56 Kg

*Hexagonal
compression*



385 SF-23

For cable lugs from 6 to 25 mm².
Hexagonal compression.

Code	Ref.	Length	Weight
385185	SF-23	354 mm	0,78 Kg



20101 SF-36A

- Light weight, compact structure, easy operation.
- Suitable for narrow space work.
- Clean and smooth cut without crushing and deformation.
- Innovative two-stage ratchet drive and high torque transmission, one hand or two hands easy operation.

Code	Ref.	Max. cutting range	Length	Weight
380010	SF-36A	≤Ø 36 mm 300 mm²	250 mm	0.61 Kg



Single conductor cable, solid



Single conductor cable, fine and multiple strands

20101 SF-60A

- Light weight, compact structure, easy operation.
- Suitable for narrow space work.
- Clean and smooth cut without crushing and deformation.
- Innovative two-stage ratchet drive and high torque transmission, one hand or two hands easy operation.

Code	Ref.	Max. cutting range	Length	Weight
380020	SF-60A	≤Ø 60 mm 500 mm²	310 mm	0.84 Kg



Multiple conductor cable, multiple strands and solid

For copper and aluminium conductor
and communication cable



20101 SF-240

- For cutting copper and aluminium conductors as well as multiple stranded cables.
- Favourable transmission ratio due to double lever.
- Blade: high-grade chrome vanadium electric steel, forged, hardened, replaceable blades.
- Handles material: steel.

Code	Ref.	Max. cutting range	Length	Weight
380028	SF-240	≤ Ø 35 mm 240 mm ²	565 mm	2.15 Kg



Single conductor cable, solid



Single conductor cable, fine and multiple strands

20101 SF-500

- For cutting copper and aluminium conductors as well as multiple stranded cables.
- Favourable transmission ratio due to double lever.
- Blade: high-grade chrome vanadium electric steel, forged, hardened, replaceable blades.
- Handles material: steel.

Code	Ref.	Max. cutting range	Length	Weight
380029	SF-500	≤ Ø 55 mm 500 mm ²	745 mm	4.48 Kg



Multiple conductor cable, multiple strands and solid

New generation hexagonal crimping tools

The crimping tools SF-70 and SF-120 are used for standard electrical connections.

The crimping dies are made from the most durable steel and feature a long service life, precise crimping diameter, and exceptional crimping effectiveness. Specially designed for our tubular terminals, series T, TI, TRF, among others



20102 SF-70

- For tubular copper terminals from 6 to 70 mm².
- Section adjustment by revolver system.
- Hexagonal compression.
- Not suitable for solid bimetallic terminals.

Code	Ref.	Crimping range	AWG	Length	Weight
380024	SF-70	6-70 mm ²	10-2/0	430 mm	1.75 Kg

20102 SF-120

- For tubular copper terminals from 10 to 120 mm².
- Section adjustment by revolver system.
- Hexagonal compression.
- Not suitable for solid bimetallic terminals.

Code	Ref.	Crimping range	AWG	Length	Weight
380025	SF-120	10-120 mm ²	7-4/0	625 mm	3.2 Kg

Copper and aluminium tubular lugs



● 20102 SF-16D

- For cable lugs from 2.5 to 16 mm².
- Punching compression.
- Not suitable for solid bimetallic terminals.



Code	Ref.	Crimping range	AWG	Length	Weight
380022	SF-16D	2.5-16 mm ²	13-5	275 mm	0.44 Kg

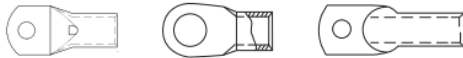
● 20102 SF-35D

- For cable lugs from 10 to 35 mm².
- Punching compression.
- Not suitable for solid bimetallic terminals.



Code	Ref.	Crimping range	AWG	Length	Weight
380023	SF-35D	10-35 mm ²	8-1/0	335 mm	0.65 Kg

Copper and aluminium tubular lugs



Wire stripper



20105 SF-38



- Designed for fast, safe and accurate stripping of PE, PVC, rubber and other materials. Ideal for fibre optic cables, providing accurate stripping on multi-fibre cables.
- Suitable for cable diameters from 4 to 25 mm.
- Allows rotary or longitudinal cuts along the length of the cable for end stripping.
- Spiral cut facilitates removal of tougher jackets.
- Spring-loaded bracket secures the cable firmly to the blade for a controlled cut.
- Ergonomic design for ease of use and storage.
- Long lasting blade for easy depth adjustment.

Code	Ref.	Stripping range	Length	Weight
400110	SF-38	4-25 mm	136 mm	0.13 Kg

Multipurpose tool 5 in 1



20104 SF-5

The 5-in-1 multipurpose tool offers versatility by combining several functions and optimizes space in the toolbox. Increases efficiency by reducing changeover times between tools and improves productivity. Its ergonomic design provides comfort, reducing fatigue and improving work precision. Its compact design makes it easy to transport for professionals on the go. Made with high quality materials, it guarantees durability and long-lasting, reliable performance.

Multipurpose tool 5 in 1:

- Wire cutter.
- Crimping insulated terminals from 1,5 to 6,0 mm².
- Crimping non insulated terminals from 1,5 to 6,0 mm².
- Wire stripper from 0,75 to 6,0 mm².
- Iron screw cutter from M2.6 to M5.

Code	Ref.	Crimping range	Length	Weight
395100	SF-5	1.5-6 mm ²	220 mm	0.48 Kg

If you require any additional items from SOFAMEL, we are pleased to assist in sourcing them



**PROTECTING
THE WORLD**

Cylindrical Fuse Links

10x38	
U	1000V DC
BREAKING CAPACITY	30kA
STANDARDS	UL
NEUTRAL LINK	

I _n (A)	REFERENCE	PACKING Uni /BOX
1	491601	10/100
2	491602 	10/100
3	491604 	10/100
4	491605 	10/100
5	491606 	10/100
6	491610 	10/100
8	491615 	10/100
10	491620 	10/100
12	491625 	10/100
15	491629	10/100
 16	491630	10/100
 20	491635	10/100
	431000	10/100



491635



14x51	
U	1100V DC
BREAKING CAPACITY	10kA
U	1000V DC
BREAKING CAPACITY	30kA
NEUTRAL LINK	

 15	491647	10/50
 20	491648	10/50
 25	491650	10/50
 32	491655	10/50
	432000	10/50



491655

10x38	
U	500V
BREAKING CAPACITY	120kA

●	0,5	420000	—	10/100
●	1	420001	—	10/100
●	2	420002	420102	10/100
●	4	420004	420104	10/100
●	6	420006	420106	10/100
●	8	420008	420108	10/100
●	10	420010	420110	10/100
●	12	420012	420112	10/100
●	16	420016	420116	10/100
●	20	420020	420120	10/100
●	25	420025	420125	10/100
●	32	420032	420132	10/100



14x51	
U	690V
BREAKING CAPACITY	80kA

In (A)	REFERENCE		PACKING Uni /BOX
	WITHOUT INDICATOR	WITH INDICATOR	
			
1	421001	—	10/50
2	421002	421102	10/50
4	421004	421104	10/50
6	421006	421106	10/50
8	421008	421108	10/50
10	421010	421110	10/50
12	421012	421112	10/50
16	421016	421116	10/50
20	421020	421120	10/50
25	421025	421125	10/50
● 32	421032	421132	10/50
● 40	421040	421140	10/50
● 50	421050	421150	10/50



22x58	
U	690V
BREAKING CAPACITY	80kA
U	500V
BREAKING CAPACITY	120kA

2	422002	422102	10/50
4	422004	422104	10/50
6	422006	422106	10/50
8	422008	422108	10/50
10	422010	422110	10/50
12	422012	422112	10/50
16	422016	422116	10/50
20	422020	422120	10/50
25	422025	422125	10/50
● 32	422032	422132	10/50
● 40	422040	422140	10/50
● 50	422050	422150	10/50
● 63	422063	422163	10/50
● 80	422080	422180	10/50
● 100	422000	422100	10/50
● 125	422015	422115	10/50



Cylindrical Fuse Holders

10x38	
U	690V AC 750V DC
In	32A
STANDARDS	 
U	24V DC
In	32A

●	I	1	485101		US	485108		US	12/180
	N	1	485102		US	-			12/180
	I + N	1	485120			-			12/180
	I + N	2	485103		US	485109		US	6/90
	2	2	485104		US	485110		US	6/90
	3	3	485105		US	485111		US	4/60
	3 + N	3	485121			-			4/60
	3 + N	4	485106		US	485112		US	3/45
	4	4	485107		US	485113		US	3/45
	I	1	-			485114		US	12/180
	2	2	-			485116		US	6/90



10x38	
U	1000V DC
In	32A
STANDARDS	 

INDICATOR	POLES	MODULES	REFERENCE	PACKING Uni /BOX
● NO	SINGLE-POLE	1	485150 	12/192
● NO	TWO-POLES	2	485151 	6/96
YES	SINGLE-POLE	1	485152 	12/192
YES	TWO-POLES	2	485153 	6/96



485152

14x51	
U	1100V DC
In	50A

● NO	SINGLE-POLE	1	485250	6/90
● NO	TWO-POLES	2	485251	3/45
YES	SINGLE-POLE	1	485252	6/90
YES	TWO-POLES	2	485253	3/45



485252

14x51	
U	690V
I _n	50A
STANDARDS	 
U	24V DC
I _n	50A

POLES	MODULES	REFERENCE		PACKING Uni /BOX
		WITHOUT INDICATOR	WITH INDICATOR	
● I	1,5	485201 c  US	485208 c  US	6/90
	N	485202 c  US	—	6/90
I + N		485203 c  US	485209 c  US	3/45
● 2	3	485204 c  US	485210 c  US	3/45
● 3	4,5	485205 c  US	485211 c  US	2/30
● 3 + N	6	485206 c  US	485212 c  US	1/18
	4	485207 c  US	485213 c  US	1/18
1	1,5	—	485214 c  US	6/90
1+N	3	—	485215 c  US	3/45
2	3	—	485216 c  US	3/45



22x58	
U	690V
I _n	100A
STANDARDS	 
U	24V DC
I _n	100A

POLES	MODULES	REFERENCE		PACKING Uni /BOX
		WITHOUT INDICATOR	WITH INDICATOR	
● I	2	485301 c  US	485308 c  US	6/48
	N	485302 c  US	—	6/48
I + N		485303 c  US	485309 c  US	3/24
● 2	4	485304 c  US	485310 c  US	3/24
● 3	6	485305 c  US	485311 c  US	2/16
● 3 + N	8	485306 c  US	485312 c  US	1/12
	4	485307 c  US	485313 c  US	1/12
1	2	—	485314 c  US	6/48
1+N	4	—	485315 c  US	3/24
2	4	—	485316 c  US	3/24



Accept 125A fuse links

NH Knife-Blade

		I_n (A)	REFERENCE	PACKING Uni /BOX
NH000 U 500V BREAKING CAPACITY 120kA		2	381000	3/90
		4	381005	3/90
		6	381010	3/90
		10	381015	3/90
		16	381020	3/90
		20	381025	3/90
		25	381030	3/90
		32	381035	3/90
		35	381040	3/90
		40	381045	3/90
		50	381050	3/90
		• 63	381055	3/90
		• 80	381060	3/90
		• 100	381065	3/90
NH00 U 500V BREAKING CAPACITY 120kA		• 125	381070	3/60
		• 160	381075	3/60
		I_n (A)	REFERENCE	PACKING Uni /BOX
NHC1 U 500V BREAKING CAPACITY 120kA		50	381230	3/30
		63	381235	3/30
		80	381240	3/30
		100	381245	3/30
		125	381250	3/30
		• 160	381255	3/30
NH1 U 500V BREAKING CAPACITY 120kA		• 200	381260	3/30
		224	381265	3/30
		• 250	381270	3/30
		315*	381280	3/30
		355*	381285	3/30
OVERRATING FUSES				



	
U	500V
BREAKING CAPACITY	120kA
	
U	500V
BREAKING CAPACITY	120kA
OVERRATING FUSES	

	63	381325	3/24
	80	381330	3/24
	100	381335	3/24
	125	381340	3/24
	160	381345	3/24
	200	381350	3/24
	224	381355	3/24
●	250	381360	3/24
●	315	381370	3/18
	355	381375	3/18
●	400	381380	3/18
	425*	381385	3/18
	500*	381390	3/18



NH Fuse Base

	
SINGLE POLE	
U	690V/800V
In	160A

FIXING	CONNECTION	REFERENCE	PACKING Uni /BOX
SCREW	● SCREW	354100	3/54
	CLAMP	354105	3/54
	CLAMP-SCREW	354110	3
	FIXED SCREW	354115	3/54
DIN RAIL + SCREW	SCREW	352100	3/54
	CLAMP	352105	3
	CLAMP-SCREW	352110	3
	FIXED SCREW	352115	3/54



Transformers

TR21

PRI
VOLTAGE 0-230-400V

SEC
VOLTAGE 12-24V
24-48V
115-230V

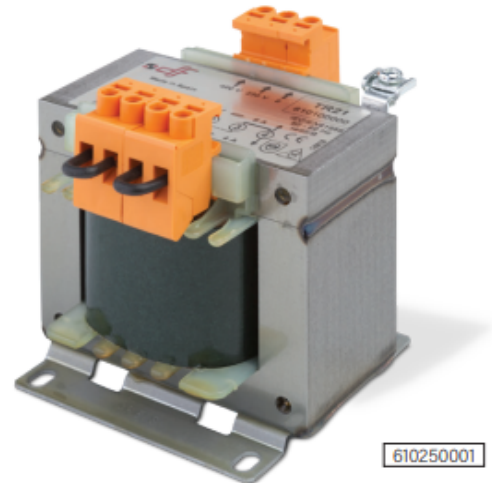
POWER
(VA)

INSTANT. POWER
(VA)

REFERENCE



POWER (VA)	INSTANT. POWER (VA)		12-24V	24-48V	115-230V
40	75		610040000	610040001	610040002
63	140	●	610063000	610063001	610063002
100	220	●	610100000	610100001	610100002
160	380	●	610160000	610160001	● 610160002
200	450	●	610200000	610200001	● 610200002
250	650	●	610250000	610250001	● 610250002
320	850		610320000	610320001	610320002
400	1000		610400000	610400001	610400002
500	1400		610500000	610500001	610500002
630	1600		610630000	610630001	610630002
800	2400		610800000	610800001	610800002
1000	3300		611000000	611000001	611000002



610250001

TR28 2.2

PRI
VOLTAGE 0-230-400V

SEC.
VOLTAGE 12-24V
24-48V
115-230V

OTHER CHARACTERISTICS
ON REQUEST

POWER (VA)		INSTANT. POWER (VA)	REFERENCE		
t_a 40°C	t_a 25°C		12-24V 	24-48V 	115-230V 
25	35	45	680025043	680025044	680025045
40	50	90	680040043	680040044	680040045
63	100	150	680063043	680063044	680063045
100	130	230	680100043	680100044	680100045
160	200	350	680160043	680160044	680160045
200	250	450	680200043	680200044	680200045
250	320	600	680250043	680250044	680250045
320	400	800	680320043	680320044	680320045
400	500	950	680400043	680400044	680400045
500	630	1275	680500043	680500044	680500045
630	800	1700	680630043	680630044	680630045
800	1000	2100	680800043	680800044	680800045



680040043



680100043

If you require any additional items from DF Electric, we are pleased to assist in sourcing them



Miniature Circuit Breakers

RI70 — B characteristics

Type	Rated Current I_n (A)	Rated Voltage U_n (V)	No. of Poles	Ordering No.	Weight (g)
RI71					
RI71 B0.5	0.5	230/240	1	786.091.495	100
● RI71 B1	1	230/240	1	786.091.272	105
● RI71 B2	2	230/240	1	786.091.273	102
RI71 B3	3	230/240	1	786.091.274	104
● RI71 B4	4	230/240	1	786.091.275	104
● RI71 B6	6	230/240	1	786.091.276	104
RI71 B8	8	230/240	1	786.091.277	105
● RI71 B10	10	230/240	1	786.091.278	105
RI71 B13	13	230/240	1	786.091.279	104
● RI71 B16	16	230/240	1	786.091.280	104
RI71 B20	20	230/240	1	786.091.281	105
RI71 B25	25	230/240	1	786.091.282	105
RI71 B32	32	230/240	1	786.091.283	105
RI71 B40	40	230/240	1	786.091.284	110
RI71 B50	50	230/240	1	786.091.285	117
RI71 B63	63	230/240	1	786.091.286	123

RI103

● RI103 B80	80	400	3	786.101.229	490
● RI103 B100	100	400	3	786.101.230	490
● RI103 B125	125	400	3	786.101.231	490

RI104

● RI104 B80	80	400	4	786.101.235	640
● RI104 B100	100	400	4	786.101.236	640
● RI104 B125	125	400	4	786.101.237	640



RI70 — C characteristics

Type	Rated Current I_n (A)	Rated Voltage U_n (V)	No. of Poles	Ordering No.	Weight (g)	Quantity / Box	Quantity / CTN
RI71							
RI71 C0.5	0.5	230/240	1	786.091.483	100	12	120
RI71 C1	1	230/240	1	786.091.182	105	12	120
RI71 C2	2	230/240	1	786.091.183	102	12	120
RI71 C3	3	230/240	1	786.091.184	104	12	120
RI71 C4	4	230/240	1	786.091.185	104	12	120
RI71 C6	6	230/240	1	786.091.186	104	12	120
RI71 C8	8	230/240	1	786.091.187	105	12	120
RI71 C10	10	230/240	1	786.091.188	105	12	120
RI71 C13	13	230/240	1	786.091.189	104	12	120
RI71 C16	16	230/240	1	786.091.190	104	12	120
● RI71 C20	20	230/240	1	786.091.191	105	12	120
● RI71 C25	25	230/240	1	786.091.192	105	12	120
● RI71 C32	32	230/240	1	786.091.193	105	12	120
● RI71 C40	40	230/240	1	786.091.194	110	12	120
● RI71 C50	50	230/240	1	786.091.195	117	12	120
● RI71 C63	63	230/240	1	786.091.196	123	12	120
RI72							
RI72 C0.5	0.5	415	2	786.091.492	200	6	60
RI72 C1	1	415	2	786.091.197	210	6	60
RI72 C2	2	415	2	786.091.198	220	6	60
RI72 C3	3	415	2	786.091.199	220	6	60
RI72 C4	4	415	2	786.091.200	220	6	60
● RI72 C6	6	415	2	786.091.201	225	6	60
RI72 C8	8	415	2	786.091.202	226	6	60
● RI72 C10	10	415	2	786.091.203	226	6	60
RI72 C13	13	415	2	786.091.204	226	6	60
● RI72 C16	16	415	2	786.091.205	225	6	60
● RI72 C20	20	415	2	786.091.206	226	6	60
● RI72 C25	25	415	2	786.091.207	226	6	60
● RI72 C32	32	415	2	786.091.208	226	6	60
● RI72 C40	40	415	2	786.091.209	235	6	60
● RI72 C50	50	415	2	786.091.210	235	6	60
● RI72 C63	63	415	2	786.091.211	246	6	60



RI73

RI73 C0.5	0.5	415	3	786.091.493	300	4	40
RI73 C1	1	415	3	786.091.212	315	4	40
RI73 C2	2	415	3	786.091.213	306	4	40
RI73 C3	3	415	3	786.091.214	312	4	40
RI73 C4	4	415	3	786.091.215	312	4	40
● RI73 C6	6	415	3	786.091.216	312	4	40
RI73 C8	8	415	3	786.091.187	312	4	40
● RI73 C10	10	415	3	786.091.218	312	4	40
RI73 C13	13	415	3	786.091.189	312	4	40
● RI73 C16	16	415	3	786.091.220	312	4	40
● RI73 C20	20	415	3	786.091.221	315	4	40
● RI73 C25	25	415	3	786.091.222	315	4	40
● RI73 C32	32	415	3	786.091.223	315	4	40
● RI73 C40	40	415	3	786.091.224	330	4	40
● RI73 C50	50	415	3	786.091.225	351	4	40
● RI73 C63	63	415	3	786.091.226	367	4	40

RI70 — C characteristics

Type	Rated Current I_n (A)	Rated Voltage U_n (V)	No. of Poles	Ordering No.	Weight (g)	Quantity / Box	Quantity / CTN
RI74							
RI74 C0.5	0.5	415	4	786.091.494	400	3	30
RI74 C1	1	415	4	786.091.227	420	3	30
RI74 C2	2	415	4	786.091.228	424	3	30
RI74 C3	3	415	4	786.091.229	432	3	30
RI74 C4	4	415	4	786.091.230	432	3	30
● RI74 C6	6	415	4	786.091.231	432	3	30
RI74 C8	8	415	4	786.091.232	432	3	30
● RI74 C10	10	415	4	786.091.233	432	3	30
RI74 C13	13	415	4	786.091.234	432	3	30
● RI74 C16	16	415	4	786.091.235	448	3	30
● RI74 C20	20	415	4	786.091.236	448	3	30
● RI74 C25	25	415	4	786.091.237	448	3	30
● RI74 C32	32	415	4	786.091.238	447	3	30
● RI74 C40	40	415	4	786.091.239	448	3	30
● RI74 C50	50	415	4	786.091.240	468	3	30
● RI74 C63	63	415	4	786.091.241	489	3	30



Residual Current Circuit Breakers

Type A - sensitive to AC and pulsating direct residual currents

Type	Rated Current I_n (A)	Rated residual current $I_{\Delta n}$ (A)	No. of Poles	Ordering No.	Weight (g)	Quantity / Box	Quantity / CTN
NFI2 - type A, instantaneous tripping							
NFI2 16/0.01	16	0.01	2	30.104.260	184	1	
NFI2 25/0.01	25	0.01	2	30.104.264	184	1	
NFI2 16/0.03	16	0.03	2	30.104.238	184	1	
NFI2 25/0.03	25	0.03	2	30.104.239	184	1	
● NFI2 40/0.03	40	0.03	2	30.104.240	184	1	
● NFI2 63/0.03	63	0.03	2	30.104.241	184	1	
NFI2 80/0.03	80	0.03	2	30.104.357	184	1	
NFI2 100/0.03	100	0.03	2	30.104.553	184	1	
NFI2 16/0.1	16	0.1	2	30.104.261	184	1	
NFI2 25/0.1	25	0.1	2	30.104.265	184	1	
NFI2 40/0.1	40	0.1	2	30.104.268	184	1	
NFI2 63/0.1	63	0.1	2	30.104.271	184	1	
NFI2 80/0.1	80	0.1	2	30.104.644	184	1	
NFI2 100/0.1	100	0.1	2	30.104.554	184	1	
NFI2 16/0.3	16	0.3	2	30.104.262	184	1	
NFI2 25/0.3	25	0.3	2	30.104.266	184	1	
● NFI2 40/0.3	40	0.3	2	30.104.269	184	1	
● NFI2 63/0.3	63	0.3	2	30.104.272	184	1	
NFI2 80/0.3	80	0.3	2	30.104.450	184	1	
NFI2 100/0.3	100	0.3	2	30.104.555	184	1	



NFI4 - type A, instantaneous tripping							
NFI4 16/0.01	16	0.01	4	30.104.823	316	1	
NFI4 25/0.01	25	0.01	4	30.104.786	316	1	
NFI4 25/0.03	25	0.03	4	30.104.296	316	1	
● NFI4 40/0.03	40	0.03	4	30.104.300	316	1	
● NFI4 63/0.03	63	0.03	4	30.104.304	316	1	
NFI4 80/0.03	80	0.03	4	30.104.358	316	1	
NFI4 100/0.03	100	0.03	4	30.104.550	360	1	
NFI4 25/0.1	25	0.1	4	30.104.297	316	1	
NFI4 40/0.1	40	0.1	4	30.104.301	316	1	
NFI4 63/0.1	63	0.1	4	30.104.305	316	1	
NFI4 80/0.1	80	0.1	4	30.104.436	316	1	
NFI4 100/0.1	100	0.1	4	30.104.551	360	1	
NFI4 25/0.3	25	0.3	4	30.104.298	316	1	
● NFI4 40/0.3	40	0.3	4	30.104.302	316	1	
● NFI4 63/0.3	63	0.3	4	30.104.306	316	1	
NFI4 80/0.3	80	0.3	4	30.104.433	316	1	
NFI4 100/0.3	100	0.3	4	30.104.552	360	1	
NFI4 25/0.5	25	0.5	4	30.104.299	316	1	
NFI4 40/0.5	40	0.5	4	30.104.303	316	1	
NFI4 63/0.5	63	0.5	4	30.104.307	316	1	
NFI4 80/0.5	80	0.5	4	30.104.443	316	1	



Motor Protection Circuit Breakers

Motor protection circuit breakers with overload and short-circuit release AC-3 acc. to IEC/EN 60947-4-1

Type	Setting range (A)	Motor power (3-phase, 400 V) (kW)	Ordering No.	Weight (g)	Quantity / Box
MS25-0.16	0.1 ... 0.16	0.02	30.107.955	252	1
MS25-0.25	0.16 ... 0.25	0.06	30.107.956	252	1
MS25-0.4	0.25 ... 0.4	0.09	30.107.957	252	1
MS25-0.63	0.4 ... 0.63	0.12	30.107.958	252	1
MS25-1	0.63 ... 1	0.18 ... 0.25	30.107.959	252	1
● MS25-1.6	1 ... 1.6	0.37 ... 0.55	30.107.960	252	1
● MS25-2.5	1.6 ... 2.5	0.75 ... 1.1	30.107.961	252	1
● MS25-4	2.5 ... 4	1.1 ... 1.5	30.107.962	252	1
● MS25-6.3	4 ... 6.3	2.2 ... 2.5	30.107.963	252	1
● MS25-10	6.3 ... 10	3 ... 4	30.107.964	252	1
● MS25-16	10 ... 16	5 ... 7.5	30.107.965	252	1
● MS25-20	16 ... 20	9	30.107.966	252	1
● MS25-25	20 ... 25	11 ... 12.5	30.107.967	252	1
● MS25-32	25 ... 32	15	30.109.475	252	1



Enclosures

Enclosures for MS25

Type	Degree of protection	Ordering No.	Weight (g)	Quantity / Box
Enclosures				
O-41	IP41	38.422.509	222	1
● O-55	IP55	38.422.510	222	1
Front Plates				
CP-41	IP41	38.422.035	150	1
CP-55	IP55	38.421.994	150	1



OVERVOLTAGE PROTECTION - ISPRO C(R)

CLASS II MODULAR SINGLE AND MULTI-POLE SPD 40 kA PER POLE



The ISPRO C(R) series of overvoltage surge protective devices have been developed to protect low-voltage consumer installation against surges and effects of indirect lightning discharges and induced voltages. They are to be installed within lightning protection in zones 0_b - 2 per IEC 62305.

BENEFITS

- Category IEC / EN / VDE
- Location of use
- Protection modes
- Protective elements
- Surge discharge rating
- Internal protection and safety
- Complies with

Class II / Type 2 / C
 Sub-distribution boards
 L/N-PE, L-PEN, L-N, N-PE
 MOV and GDT
 $I_{max} = 40 \text{ kA}$
 Separate thermal disconnecter for each MOV
 IEC/EN 61643-11

Type	Max. discharge current (8/20) I_{max} (kA)
ISPRO C 40/75	40
ISPRO C 40/150	40
ISPRO C 40/275 •	40
ISPRO C 40/320	40
ISPRO C 40/385	40
ISPRO C 40/440	40

Type	Max. discharge current (8/20) I_{max} (kA)	Ordering No.	Weight (g)	Packaging (pcs)
ISPRO C 80/150 (2+0)	40 per pole	786.600.103	234	7
ISPRO C 80/275 (2+0) •	40 per pole	786.600.104	244	7
ISPRO C 80/320 (2+0)	40 per pole	786.600.105	244	7
ISPRO C 80/385 (2+0)	40 per pole	786.600.106	245	7
ISPRO C 80/440 (2+0)	40 per pole	786.600.107	247	7
Type	Max. discharge current (8/20) I_{max} (kA)	Ordering No.	Weight (g)	Packaging (pcs)
ISPRO C 160/150 (4+0)	40 per pole	786.600.133	432	3
ISPRO C 160/275 (4+0)	40 per pole	786.600.134	456	3
ISPRO C 160/320 (4+0)	40 per pole	786.600.135	456	3
ISPRO C 160/385 (4+0)	40 per pole	786.600.136	460	3
ISPRO C 160/440 (4+0) •	40 per pole	786.600.137	466	3

OVERVOLTAGE PROTECTION - PV ISPRO C(R)

CLASS II MODULAR MULTI-POLE SPD FOR PHOTOVOLTAIC SYSTEMS 40 kA PER POLE



The PV ISPRO C(R) series of overvoltage surge protective devices have been developed to protect against indirect lightning discharges and is intended to protect photovoltaic systems.

BENEFITS

- Category IEC / EN / VDE
- Location of use
- Protection modes
- Protective elements
- Surge discharge rating
- Safety
- Internal protection and safety
- Complies with

Class II / Type 2 / C
 Photovoltaic systems - PV module side
 (+)→PE, (-)→PE, (+)→(-)
 MOV
 $I_{max} = 40 \text{ kA}$
 Ground fault immunity, ground fault withstand
 Separate thermal disconnecter for each MOV
 EN 50539-11

Type	Max. discharge current (8/20) I_{max} (kA)	Ordering No.	Weight (g)	Packaging (pcs)
PV ISPRO C 40/550	40	786.600.157	302	7
PV ISPRO C 40/1000	40	786.600.158	398	5

HOUR METERS

HK 46, HK 47, HK 48, HK 49, HK 30



USE

Hour meters show operation time of machines, equipment and other devices. When you need accurate information for testing, maintenance or warranty purposes, choose from a wide range of HK hour meters produced by Iskra MIS. AC applications: business machines, control panels, compressors, generators, pumps, air conditioning DC applications: garden and farm equipment, Gen-sets, construction equipment.

MECHANICAL DATA

TYPE			HK 46	HK 47	HK 48, HK 49	HK 30
Front dimension		mm	48 x 48	∅ 58	HK 48: 72 x 72; HK 49: 96 x 96	36 x 24 (standard)
Display				AC: 5 integers, 2 decimals DC: 6 integers, 1 decimals AC indicator, without reset		AC: 5 integers, 2 decimals DC: 6 integers, 1 decimals without reset
Digit height		mm			4	
Digit color	integer				white on black	
	decima				50 Hz - red on black ; 60 Hz - red on white	
Counting range					AC: 99999,99 ; DC: 999999,9	
Reading accuracy					AC: 1/100 h (36 sec) ; DC 1/10 h (6 min)	
Weight		g	50	52	HK 48: 125 ; HK 49: 172	32
Housing color		mm			standard black	
Bezels		mm	52 x 52 55 x 55 72 x 72 and ∅ 80	∅ 72 mm (for mtg. H) ∅ 80 mm (for mtg. C)	-	48 x 24, 48 x 48, 54 x 25 ∅ 58, ∅ 72, 72 x 72
Mounting options			A - aluminium clamp C - anti-vibration boot & clamp D - DIN rail F - snap fastener G - retainer	A - aluminium clamp C - anti-vibration boot & clamp ∅ 80 mm H - 3-screw front mount ∅ 72 mm	X - two fixing screws	D - DIN rail E - 48 x 48 DIN case G - front 36 x 24 mm with retainer R - front 40.6 x 27.5 mm with retainer S - 2-screws front 52 x 26 mm

ELECTRICAL DATA

Operating voltage	AC	V	24, 48, 60, 110, 120, 220, 230, 240, 400 (±10%), 50 or 60 Hz			
	DC		6 - 30, 10 - 80, 110, 220 (±10%)			
Current consumption	AC	mA	max. 8			
	DC		max. 9			
Accuracy	AC	A	± 0.02 %			
	DC		± 0.002 %			
Connection			flat pin 6.3 x 0.8 with screw flat pin 6.3 x 0.8 screw terminal	flat pin 6.3 x 0.8 with screw flat pin 6.3 x 0.8	screw terminal	flat pin 6.3 x 0.8 with screw flat pin 6.3 x 0.8

Bistable Switch



INTENDED USE:

- Residential buildings
- Business premises
- Hotels
- Hospitals
- Shopping centres
- Production halls
- Warehouses
- Public places

ADVANCED OPERATION:

- Impulse control
- Manual control

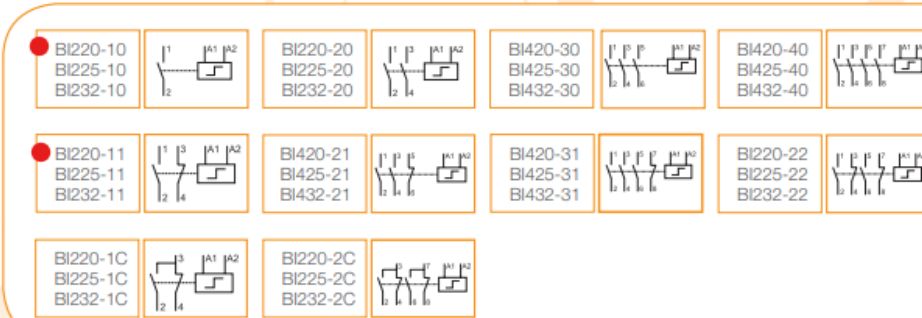
OTHER BENEFITS:

- Small switch on coil consumption
- No hold coil consumption
- Wide application
- Mounting on 35 mm rail
- Sealing terminal covers

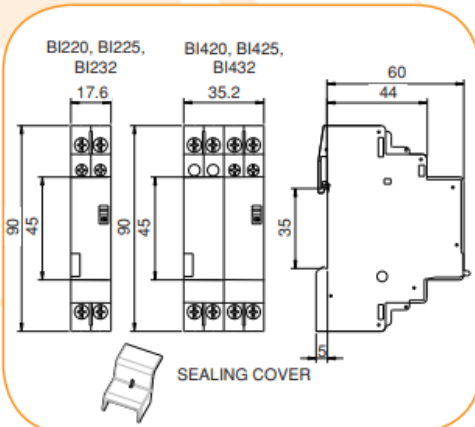
REMOTE SWITCHING AND AUTOMATIC CONTROL:

- Lightning
- Electric heating
- Electric motors
- Electric equipment

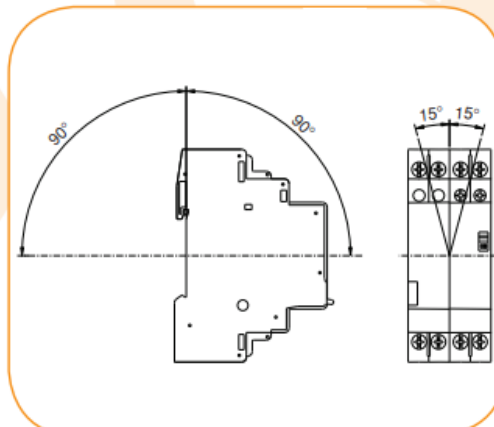
CONTACT ARRANGEMENTS



DIMENSIONS



OPERATION POSITIONS

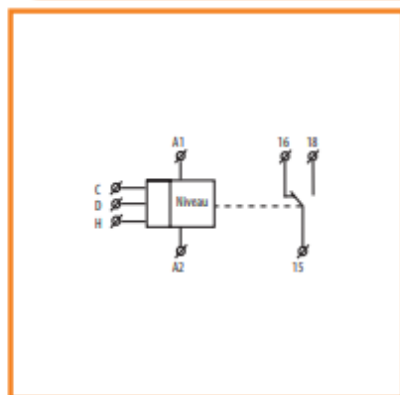


Level switch NWT 5

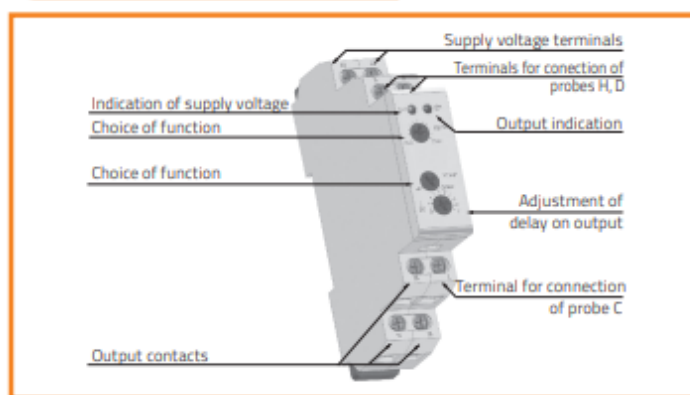


- Relay is designed for monitoring levels in wells, basins, reservoirs, tanks....
- In one device you can choose the following configurations:
 1. one-level switch of conductive liquids (by connecting H and D)
 2. two-level switch of conductive liquids
- One-state device monitors one level, two-state device monitors two levels (switches on one level and switches off on another level)
- Choice of function PUMP UP, PUMP DOWN
- Adjustable time delay on the output (0.5 - 10 s)
- Sensitivity adjustable by a potentiometer (5-100 kΩ)
- Measuring frequency 10Hz prevents polarization of liquid and raising oxidation of measuring probes
- Galvanically separated supply voltage UNI 24.. 240 VAC / DC
- Output contact 1xchangeover / SPDT 8A / 250V AC1
- 1-module type, mounting onto a DIN rail

Symbol



Description



If you require any additional items from ISKRA, we are pleased to assist in sourcing them

LUMEL

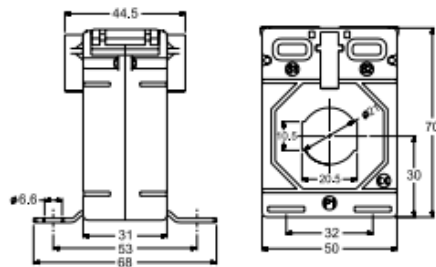
Current Transformers

LCTB 50 - BUSBAR SERIES

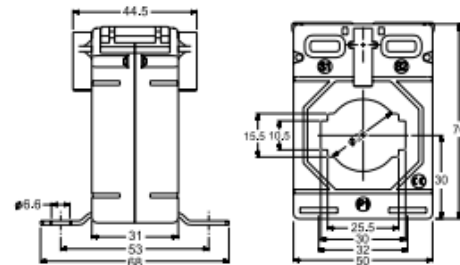


	LCTB 50/21 (30)	LCTB 50/30 (30)	LCTB 50/21 (50)	LCTB 50/30 (50)
Hole diameter	Ø 21 mm	Ø 26 mm	Ø 21 mm	Ø 26 mm
Busbar	20 x 10 mm	30 x 10 mm	20 x 10 mm	30 x 10 mm
Depth	31 mm	31 mm	51 mm	51 mm
Width	50 mm	50 mm	50 mm	50 mm
Primary current	40 A...400 A	75 A...600 A	50 A...400 A	50 A... 600 A
Secondary current	1 A, 5 A			
Accuracy class	0.5; 1; 3			

LCTB 50/21 (30)



LCTB 50/30 (30)



ORDER

ING CODES

LCTB 502130

Secondary current	Code
x/5A	5
x/1A	1

Transformer type	LCTB 50/21 (30)		
Accuracy class	0.5	1	3

Code	Rated primary current	Transformer burden			Code
0040A	40 A	-	-	1 VA	3
0050A	50 A	-	1 VA	2 VA	1
0060A	60 A	-	1 VA	2 VA	
0075A	75 A	-	1.5 VA	2.5 VA	
0080A	80 A	1 VA	2.5 VA	3.75 VA	
0100A	100 A	1.5 VA	2.5 VA	3.75 VA	5
0120A	120 A	2.5 VA	2.5 VA	3.75 VA	
0125A	125 A	2.5 VA	3.75 VA	5 VA	
0150A	150 A	2.5 VA	5 VA	5 VA	
0200A	200 A	3.75 VA	5 VA	5 VA	
0250A	250 A	5 VA	5 VA	5 VA	
0300A	300 A	5 VA	7.5 VA	7.5 VA	
0400A	400 A	5 VA	7.5 VA	7.5 VA	

LCTB 503030

Secondary current	Code
x/5A	5
x/1A	1

Transformer type	LCTB 50/30 (30)		
Accuracy class	0.5	1	3

Code	Rated primary current	Transformer burden			Code
0075A	75 A	-	1 VA	1.5 VA	1
0080A	80 A	-	1.5 VA	2 VA	
0100A	100 A	1 VA	2.5 VA	2.5 VA	
0120A	120 A	1 VA	2.5 VA	3 VA	
0125A	125 A	1 VA	2.5 VA	3 VA	5
0150A	150 A	2.5 VA	3.75 VA	3.75 VA	
0200A	200 A	2.5 VA	5 VA	5 VA	
0250A	250 A	5 VA	5 VA	6.25 VA	
0300A	300 A	5 VA	5 VA	6.25 VA	
0400A	400 A	5 VA	5 VA *	6.25 VA	
0500A	500 A	5 VA	6.25 VA	7.5 VA	
0600A	600 A	5 VA	7.5 VA	10 VA	



INPUT:

40 A
...
800 A

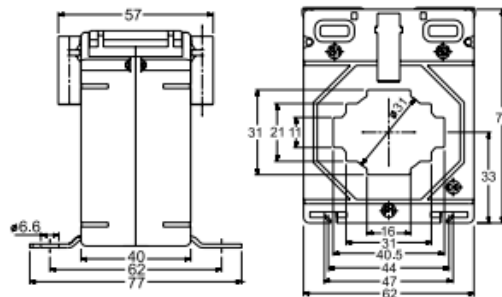
OUTPUTS:

5 A

1 A

	LCTB 62/20 (40)	LCTB 62/30 (40)	LCTB 62/30 (50)	LCTB 62/40 (40)
Hole diameter	-	Ø 30 mm	Ø 28 mm	Ø 31 mm
Busbar	20x12 mm	30x10 mm, 2x25 x10 mm	30x10 mm	40x10 mm, 2 x 30 x 10 mm
Depth	40 mm	40 mm	50 mm	40 mm
Width	62 mm	62 mm	62 mm	62 mm
Primary current	50 A...400 A	50 A...800 A	40 A...800 A	100 A...800 A
Secondary current	1 A, 5 A			
Accuracy class	0.2S; 0.2; 0.5S; 0.5; 1; 3			

LCTB 62/40 (40)



RING CODES

LCTB 624040

Secondary current	Code
x/5A	5
x/1A	1

Transformer type	LCTB 62/40 (40)					
Accuracy class	0.2S	0.2	0.5S	0.5	1	3
Code	S	2	R	-	-	-

Code	Rated primary current	Transformer burden						Code
0100A	100 A	-	-	-	-	1 VA	1.5 VA	1
0120A	120 A	-	-	-	-	1.5 VA	2.5 VA	
0125A	125 A	-	-	-	-	1.5 VA	2.5 VA	
0150A	150 A	-	-	-	-	2.5 VA	3 VA	
0200A	200 A	1 VA	1 VA	1 VA	1.5 VA	3.75 VA	3.75 VA	5
0250A	250 A	1.5 VA	1.5 VA	1.5 VA	2.5 VA	5 VA	5 VA	
0300A	300 A	1.5 VA	1.5 VA	1.5 VA	5 VA	5 VA	5 VA	
0400A	400 A	2.5 VA	2.5 VA	2.5 VA	5 VA	5 VA	7.5 VA	
0500A	500 A	2.5 VA	5 VA	3.75 VA	5 VA	5 VA*	7.5 VA	
0600A	600 A	2.5 VA	7.5 VA	2.5 VA	7.5 VA	10 VA	12.5 VA	
0750A	750 A	5 VA	10 VA	5 VA	10 VA	10 VA	12.5 VA	
0800A	800 A	5 VA	10 VA	5 VA	10 VA	10 VA	12.5 VA	



INPUT:

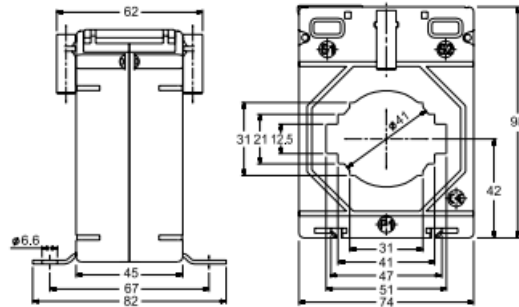
30 A
...
1000 A

OUTPUTS:

5 A 1 A

	LCTB 74/20 (45)	LCTB 74/30 (45)	LCTB 74/40 (45)	LCTB 74/50 (45)
Hole diameter	Ø 20 mm	Ø 26 mm	Ø 35 mm	Ø 41 mm
Busbar	20x10 mm	30x15 mm, 2x20x10 mm	40x12 mm, 2x30 x15 mm	50x12 mm, 2 x40x10 mm
Depth	45 mm	45 mm	45 mm	45 mm
Width	74 mm	74 mm	74 mm	74 mm
Primary current	30 A...400 A	30 A...800 A	40 A...1000 A	100 A...1000 A
Secondary current	1 A, 5 A			
Accuracy class	0.2S; 0.2; 0.5S; 0.5; 1; 3			

LCTB 74/50 (45)



IG CODES

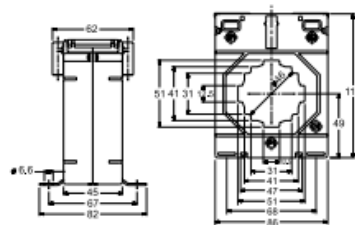
LCTB 745045						
Secondary current		Code				
x/5A	5					
x/1A	1					
Transformer type	LCTB 74/50 (45)					
Accuracy class	0.2S	0.2	0.5S	0.5	1	3
Code	S	2	R	-	-	-
Code	Rated primary current	Transformer burden				
0100A	100 A	-	-	-	-	1.5 VA 2 VA
0120A	120 A	-	-	-	-	1.5 VA 2.5 VA
0125A	125 A	-	-	-	-	1.5 VA 2.5 VA
0150A	150 A	-	-	-	-	2.5 VA 3.75 VA
0200A	200 A	-	-	-	1.5 VA	3.75 VA 5 VA
0250A	250 A	1.5 VA	1.5 VA	1.5 VA	2.5 VA	5 VA 7.5 VA
0300A	300 A	1.5 VA	1.5 VA	1.5 VA	5 VA	7.5 VA 7.5 VA
0400A	400 A	2.5 VA	2.5VA	2.5 VA	5 VA	7.5 VA 10 VA
0500A	500 A	5VA	5 VA	5 VA	7.5 VA	10 VA 12.5 VA
0600A	600 A	5 VA	5 VA*	7.5 VA	5 VA	10 VA 12.5 VA 15 VA
0750A	750 A	5 VA	10 VA	5 VA	12.5 VA	15 VA 20 VA
0800A	800 A	5 VA	10 VA	5 VA	12.5 VA	15 VA 20 VA
1000A	1000 A	5 VA	10 VA	5 VA	12.5 VA	15 VA 20 VA



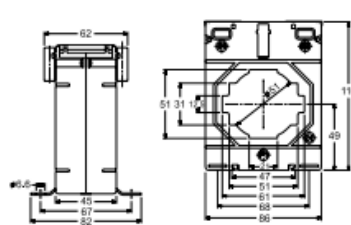
	LCTB 86/40 (45)	LCTB 86/50 (45)	LCTB 86/60 (45)
Hole diameter	Ø 36 mm	Ø 46 mm	Ø 51 mm
Busbar	40 x 10 mm, 2x30x15mm	50 x 12 mm, 2 x 40 x 15 mm	60 x 12 mm, 2 x 50 x 15 mm
Depth	45 mm	45 mm	45 mm
Width	86 mm	86 mm	86 mm
Primary current	50 A...1000 A	100 A...1250 A	100 A...1600 A
Secondary current	1 A, 5 A		
Accuracy class	0.2S; 0.2; 0.5S; 0.5; 1; 3		

DIMENSIONS

LCTB 86/50 (45)



LCTB 86/60 (45)



LCTB 865045

LCTB 86/50 (45)							
Transformer type		LCTB 86/50 (45)					
Accuracy class		0.2S	0.2	0.5S	0.5	1	3
Code		S	2	R	-	-	-
Code	Primary current	Transformer burden					
0100A	100 A	-	-	-	1 VA	1.5 VA	2.5 VA
0120A	120 A	-	-	-	1.5 VA	2.5 VA	3.75 VA
0125A	125 A	-	-	-	1.5 VA	2.5 VA	3.75 VA
0150A	150 A	-	-	-	2.5 VA	5 VA	7.5 VA
0200A	200 A	-	-	-	5 VA	7.5 VA	10 VA
0250A	250 A	-	-	-	7.5 VA	10 VA	12.5 VA
0300A	300 A	5 VA	1.5 VA	5 VA	7.5 VA	10 VA	15 VA
0400A	400 A	7.5 VA	2.5 VA	7.5 VA	15 VA	15 VA	20 VA
0500A	500 A	7.5 VA	5 VA	7.5 VA	15 VA	20 VA	20 VA
0600A	600 A	10 VA	7.5 VA	10 VA	15 VA	20 VA	20 VA
0750A	750 A	7.5 VA	10 VA	7.5 VA	15 VA	20 VA	25 VA
0800A	800 A	10 VA	12.5 VA	10 VA	20 VA	30 VA	30 VA
1000A	1000 A	12.5 VA	20 VA	12.5 VA	30 VA	30 VA	35 VA
1200A	1200 A	12.5 VA	20 VA	12.5 VA	30 VA	30 VA	35 VA
1250A	1250 A	12.5 VA	20 VA	12.5 VA	30 VA	30 VA	35 VA

LCTB 866045

LCTB 86/60 (45)							
Transformer type		LCTB 86/60 (45)					
Accuracy class		0.2S	0.2	0.5S	0.5	1	3
Code		S	2	R	-	-	-
Code	Primary current	Transformer burden					
0100A	100 A	-	-	-	-	1 VA	1.5 VA
0120A	120 A	-	-	-	-	1.5 VA	2.5 VA
0125A	125 A	-	-	-	-	2.5 VA	3.75 VA
0150A	150 A	-	-	-	-	2.5 VA	3.75 VA
0200A	200 A	-	-	-	1.5 VA	3.75 VA	5 VA
0250A	250 A	-	-	-	2.5 VA	5 VA	7.5 VA
0300A	300 A	1.5 VA	1.5 VA	1.5 VA	5 VA	7.5 VA	10 VA
0400A	400 A	2.5 VA	2.5 VA	3.75 VA	10 VA	12.5 VA	15 VA
0500A	500 A	2.5 VA	3.75 VA	2.5 VA	10 VA	12.5 VA	15 VA
0600A	600 A	5 VA	5 VA	5 VA	15 VA	15 VA	20 VA
0750A	750 A	5 VA	10 VA	5 VA	15 VA	20 VA	25 VA
0800A	800 A	7.5 VA	12.5 VA	7.5 VA	20 VA	20 VA	25 VA
1000A	1000 A	10 VA	15 VA	10 VA	20 VA	20 VA	25 VA
1200A	1200 A	10 VA	15 VA	10 VA	20 VA	20 VA	25 VA
1250A	1250 A	10 VA	15 VA	10 VA	20 VA	20 VA	25 VA
1500A	1500 A	10 VA	15 VA	10 VA	20 VA	20 VA	25 VA
1600A	1600 A	10 VA	15 VA	10 VA	20 VA	20 VA	25 VA

LCTB 100 - BUSBAR SERIES



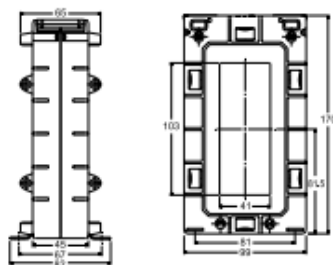
INPUT:

400 A
...
3000 A

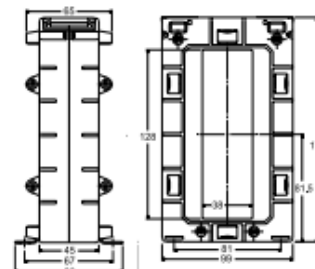
OUTPUTS:

5 A 1 A

LCTB 100/100V (45)



LCTB 100/130V (45)



	LCTB 100/100V (45)	LCTB 100/130V (45)
Busbar	41 x 103 mm	38 x 128 mm
Depth	45 mm	45 mm
Width	100 mm	100 mm
Primary current	400 A...2500 A	400 A...3000 A
Secondary current	1 A, 5 A	
Accuracy class	0.2S; 0.2; 0.5S; 0.5; 1	0.2; 0.5; 1

LCTB 100100

Secondary current	Code
x/5A	5
x/1A	1

Transformer type	LCTB 100/100V (45)					
Accuracy class	0.2S	0.2	0.5S	0.5	1	3
Code	S	2	R	-	-	-

Code	Rated primary current	Transformer burden						Code
0400A	400 A	-	-	-	2.5 VA	5 VA	5 VA	5
0500A	500 A	-	-	-	2.5 VA	5 VA	6.25 VA	
0600A	600 A	-	-	-	2.5 VA	5 VA	7.5 VA	
0750A	750 A	-	-	-	2.5 VA	5 VA	7.5 VA	
0800A	800 A	-	-	-	5 VA	10 VA	10 VA	
1000A	1000 A	-	5 VA	-	10 VA	15 VA	15 VA	
1200A	1200 A	5 VA	5 VA	5 VA	10 VA	15 VA	15 VA	
1250A	1250 A	5 VA	5 VA	5 VA	10 VA	15 VA	20 VA	
1500A	1500 A	5 VA	5 VA	5 VA	15 VA	30 VA	30 VA	
1600A	1600 A	7.5 VA	10 VA	7.5 VA	15 VA	30 VA	30 VA	
2000A	2000 A	7.5 VA	10 VA	7.5 VA	15 VA	30 VA	35 VA	
2500A	2500 A	10 VA	10 VA	10 VA	15 VA	20 VA	35 VA	

LCTB 100130

Secondary current	Code
x/5A	5
x/1A	1

Transformer type	LCTB 100/130V (45)			
Accuracy class	0.2	0.5	1	3
Code	2	-	-	-

Code	Rated primary current	Transformer burden				Code
0400A	400 A	-	2.5 VA	5 VA	5 VA	5
0500A	500 A	-	2.5 VA	5 VA	6.25 VA	
0600A	600 A	-	2.5 VA	5 VA	7.5 VA	
0750A	750 A	-	2.5 VA	7.5 VA	7.5 VA	
0800A	800 A	-	5 VA	7.5 VA	10 VA	
1000A	1000 A	-	10 VA	10 VA	15 VA	
1200A	1200 A	-	10 VA	15 VA	15 VA	
1250A	1250 A	-	10 VA	15 VA	20 VA	
1500A	1500 A	5 VA	15 VA	30 VA	30 VA	
1600A	1600 A	5 VA	15 VA	30 VA	30 VA	
2000A	2000 A	5 VA	15 VA	30 VA	30 VA	
2500A	2500 A	5 VA	15 VA	30 VA	35 VA	
3000A	3000 A	5 VA	10 VA	12.5 VA	35 VA	

LCTB 140 - BUSBAR SERIES



CE

INPUT:

200 A
..
5000 A

OUTPUTS:

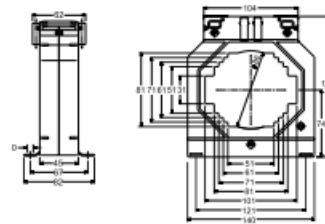
5 A

1 A

	LCTB 140/80 (45)	LCTB 140/100H (45)	LCTB 140/100V (45)	LCTB 140/130V (45)
Hole diameter	Ø 72 mm	Ø 86 mm	Ø 86 mm	-
Busbar	80 x 30 mm, 2 x 60 x 25 mm	100 x 30 mm, 2 x 80 x 25 mm, 2 x 70 x 30 mm	100 x 30 mm, 2 x 80 x 25 mm, 2 x 70 x 30 mm	70 x 130 mm
Depth	45 mm	45 mm	45 mm	45 mm
Width	140 mm	140 mm	140 mm	140 mm
Primary current	200 A...2000 A	200 A...4000 A	200 A...3000 A	400 A...5000 A
Secondary current	1 A, 5 A			
Accuracy class	0.25; 0.2; 0.55; 0.5; 1			0.2; 0.5; 1

SIONS

LCTB 140/100H (45)



IG CODES

LCTB 14010H									
Secondary current		Code							
x/5A		5							
x/1A		1							
Transformer type		LCTB 140/100H (45)							
Accuracy class		0.25	0.2	0.55	0.5	1	3		
Code		S	2	R	-	-	-		
Code	Rated primary current							Code	
0200A	200 A	-	-	-	1.5 VA	3.75 VA	5 VA	5	
0250A	250 A	-	-	-	2.5 VA	5 VA	7.5 VA		
0300A	300 A	-	-	-	3.75 VA	7.5 VA	10 VA		
0400A	400 A	-	1.5 VA	-	7.5 VA	10 VA	12.5 VA		
0500A	500 A	-	2.5 VA	-	10 VA	12.5 VA	12.5 VA		
0600A	600 A	2.5 VA	3.75 VA	2.5 VA	10 VA	15 VA	15 VA		
0750A	750 A	5 VA	5 VA	5 VA	15 VA	20 VA	20 VA		
0800A	800 A	5 VA	5 VA	5 VA	15 VA	20 VA	25 VA		
1000A	1000 A	5 VA	10 VA	5 VA	15 VA	20 VA	25 VA		
1200A	1200 A	10 VA	15 VA	10 VA	15 VA	30 VA	30 VA		
1250A	1250 A	10 VA	15 VA	10 VA	15 VA	30 VA	35 VA		
1500A	1500 A	15 VA	20 VA	15 VA	20 VA	30 VA	40 VA		
1600A	1600 A	15 VA	20 VA	15 VA	20 VA	45 VA	45 VA		
2000A	2000 A	15 VA	30 VA	15 VA	45 VA	45 VA	45 VA		
2500A	2500 A	15 VA	30 VA	15 VA	45 VA	45 VA	45 VA		
3000A	3000 A	15 VA	30 VA	15 VA	60 VA	60 VA	60 VA		
4000A	4000 A	15 VA	30 VA	15 VA	60 VA	60 VA	60 VA		

LCTS - SPLIT CORE SERIES

	LCTS 93/30SC (40)	LCTS 125/50SC (40)	LCTS 155/80SC (40)	LCTS 195/80SC (64)
Window dimensions	23 x 33 mm	85 x 54 mm	85 x 125 mm	82 x 162 mm
Depth	40 mm	40 mm	40 mm	64 mm
Width	93 mm	125 mm	155 mm	195 mm
Rated primary current	100 A...400 A	250 A...1000 A	250 A...3000 A	500 A...5000 A
Secondary current	1 A, 5 A			
Accuracy class	0.5; 1			

INPUT:

100 A
...
5000 A

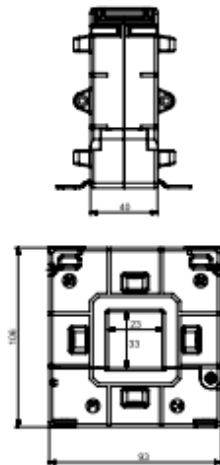
OUTPUTS:

5 A 1 A

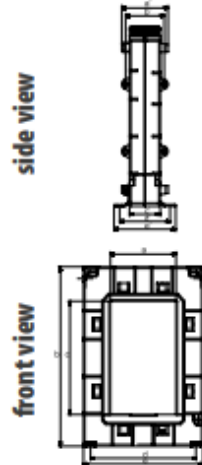


DIMENSIONS

LCTS 93/30SC (40)



LCTS 125/50SC, 155/80SC, 195/80SC



Side view (dimensions in mm)					
Type	a'	b'	c'	d'	e'
125/50SC (40)	60	50	40	65	80
155/80SC (40)	60	50	40	65	80
195/80SC (64)	84	74	64	80	100

Front view (dimensions in mm)					
Type	a	b	c	d	e
125/50SC (40)	54	158	85	106	125
155/80SC (40)	85	198	125	136	155
195/80SC (64)	80	245	160	179	195

Transformer type		LCTS 93/30SC (40)		LCTS 125/50SC (40)		LCTS 155/80SC (40)		LCTS 195/80SC (64)	
Accuracy class		0.5	1	0.5	1	0.5	1	0.5	1
Code		5	1	5	1	5	1	5	1
Code	Primary current	Transformer burden							
0100A	100 A	-	1.5 VA	-	-	-	-	-	-
0150A	150 A	-	1.75 VA	-	-	-	-	-	-
0200A	200 A	-	2.5 VA	-	-	-	-	-	-
0250A	250 A	-	3.75 VA	1 VA	2.5 VA	1 VA	2.5 VA	-	-
0300A	300 A	2.5 VA	5 VA	2.5 VA	3.75 VA	1.5 VA	3.75 VA	-	-
0400A	400 A	3.75 VA	6.25 VA	2.5 VA	3.75 VA	2.5 VA	3.75 VA	-	-
0500A	500 A	-	-	3.75 VA	5 VA	3.75 VA	5 VA	1.25 VA	5 VA
0600A	600 A	-	-	5 VA	7.5 VA	5 VA	7.5 VA	1.25 VA	5 VA
0750A	750 A	-	-	7.5 VA	10 VA	7.5 VA	10 VA	5 VA	10 VA
0800A	800 A	-	-	7.5 VA	10 VA	7.5 VA	10 VA	7.5 VA	10 VA
1000A	1000 A	-	-	10 VA	15 VA	10 VA	15 VA	10 VA	20 VA
1200A	1200 A	-	-	-	-	15 VA	30 VA	15 VA	20 VA
1250A	1250 A	-	-	-	-	15 VA	30 VA	15 VA	20 VA
1500A	1500 A	-	-	-	-	20 VA	45 VA	20 VA	30 VA
1600A	1600 A	-	-	-	-	20 VA	45 VA	20 VA	30 VA
2000A	2000 A	-	-	-	-	20 VA	45 VA	25 VA	30 VA
2500A	2500 A	-	-	-	-	25 VA	45 VA	25 VA	30 VA
3000A	3000 A	-	-	-	-	30 VA	45 VA	30 VA	45 VA
4000A	4000 A	-	-	-	-	-	-	30 VA	45 VA
5000A	5000 A	-	-	-	-	-	-	30 VA	45 VA

TIME & PROTECTION RELAYS CONTROL

MULTIFUNCTIONAL TIME RELAY PROTECTION RELAY

NEW



NEW



• LTR10

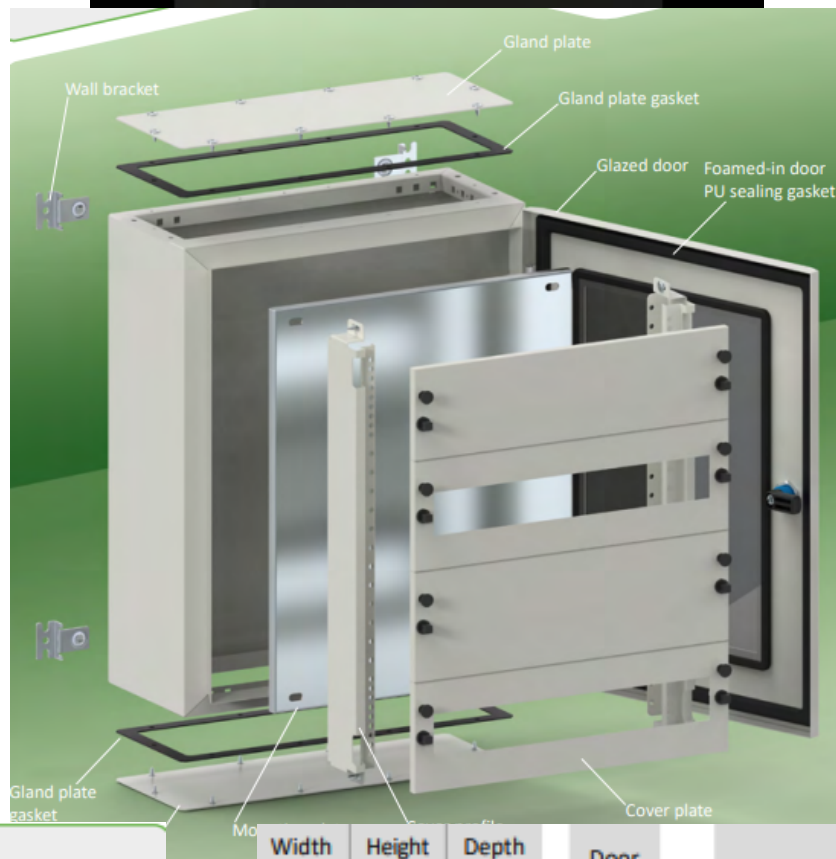
• LP10-V

Type	multifunctional - 10 time functions	voltage protection relay
Number and type of contact	2 CO - changeover	1 x CO, 2 x CO (option)
Number of time ranges	10 time ranges	N/A
Resistive load	5A / 250 V AC	
Supply voltage	12...240 V AC/DC	= monitored voltage
External dimensions	91 x 17.5 x 65.4 mm	90 x 18 x 66.5 mm

If you require any additional items from LUMEL, we are pleased to assist in sourcing them



EKO



Characteristics

Material

Sheet Steel (EN 10130 DC01)

■ Body : 1.2 / 1.5 mm

■ Door : 1.2 / 1.5 mm

Galvanized Steel (EN 10346 DX51D+Z)

■ Mounting plate : 1.5 - 2 mm

Surface Finishing

■ RAL7035w powder coating

IP Rating

Width	Height	Depth	Door	Reference
A	B	C	pcs	
mm	mm	mm		
200	300	150	1	EKO 110 020315
300	300	150	1	EKO 110 030315
		200	1	EKO 110 030320
		150	1	EKO 110 030415
	400	200	1	EKO 110 030420
		500	1	EKO 110 030520
	300	150	1	EKO 110 040315

ETS



Characteristics

Material

Sheet Steel (EN 10130 DC01)

■ Body : 1.2 / 1.5 mm

■ Door : 1.2 / 1.5 mm

Galvanized Steel (EN 10346 DX51D+Z)

■ Mounting plate : 1.5 - 2 mm

Surface Finishing

■ RAL7035w powder coating

IP Rating

■ IP65 (TS 3033, EN 60529)

Others

■ All welded construction

■ Solid / glazed door

■ Foamed-in door PU sealing gasket

■ 135° concealed hinges

■ 5mm Double-bit insert polyamide lock

■ Bottom gland plate

■ One piece PE gasket for gland plate

Supply Includes

■ Body

■ Door (Select ≈ **K**)

■ Mounting plate (Option ≈ **M**)

■ Cover plate set (Option ≈ **P**)

■ Gland plate with gasket

■ 4/6 pcs wall brackets

Width	Height	Depth	Door
A	B	C	
mm	mm	mm	pcs
300	300	150	1
		200	1
	400	150	1
		200	1
	500	200	1
400	400	200	1
	500	200	1
	600	200	1
		250	1
	500	200	1
500	500	200	1
	700	200	1
		250	1
	600	200	1
600	600	200	1
	800	200	1
		250	1
	1000	200	1
		250	1
800	800	200	1
	1000	300	1

Reference

ETS 110 030315

ETS 110 030320

ETS 110 030415

• ETS 110 030420

ETS 110 030520

ETS 110 040420

• ETS 110 040520

ETS 110 040620

ETS 110 040625

ETS 110 050520

• ETS 110 050720

• ETS 110 050725

ETS 110 060620

ETS 110 060820

• ETS 110 060825

ETS 110 061020

ETS 110 061025

ETS 110 080820

• ETS 110 081030

COVER PLATES

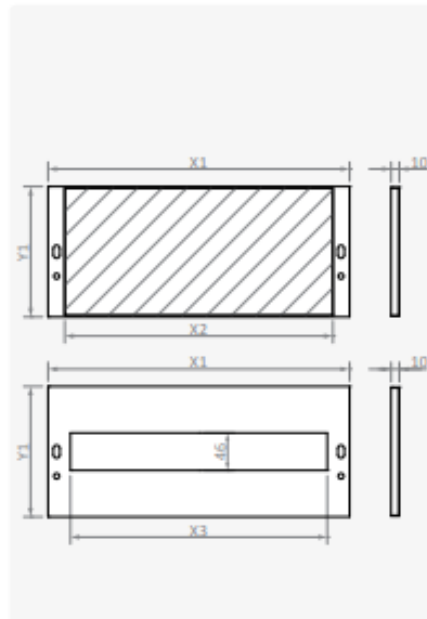
Reference	Width	External Dimensions		Useful Area	Module Cut-Out		Weight kg
	A mm	X1 mm	Y1 mm	X2 mm	X3 mm	Capacity Module	
ETS PL 3010	300	268	98	225	-	-	0.3
ETS PL 3012	300	268	118	225	-	-	0.3
ETS PL 3014	300	268	138	225	-	-	0.3
ETS PL 3016	300	268	158	225	-	-	0.4
ETS PL 4010	400	368	98	325	-	-	0.3
ETS PL 4012	400	368	118	325	-	-	0.4
ETS PL 4014	400	368	138	325	-	-	0.4
ETS PL 4016	400	368	158	325	-	-	0.5
ETS PL 5010	500	468	98	425	-	-	0.4
ETS PL 5012	500	468	118	425	-	-	0.4
ETS PL 5014	500	468	138	425	-	-	0.5
ETS PL 5016	500	468	158	425	-	-	0.7
ETS PL 6010	600	568	98	525	-	-	0.5
ETS PL 6012	600	568	118	525	-	-	0.6
ETS PL 6014	600	568	138	525	-	-	0.6
ETS PL 6016	600	568	158	525	-	-	0.8
ETS PL 3012W	300	268	118	-	215	12	0.2
ETS PL 3016W	300	268	158	-	215	12	0.3
ETS PL 4012W	400	368	118	-	320	18	0.3
ETS PL 4016W	400	368	158	-	320	18	0.4
ETS PL 5012W	500	468	118	-	425	24	0.4
ETS PL 5016W	500	468	158	-	425	24	0.5
ETS PL 6012W	600	568	118	-	515	29	0.4
ETS PL 6016W	600	568	158	-	515	29	0.6

Characteristics

■ Material	DIN EN 10130 DC01 CCRS
■ Surface Finishing	RAL7035w powder coating
■ Thickness	0.9 mm

Supply Includes

■ Cover plate profiles fasteners and plastic nuts
■ Handles

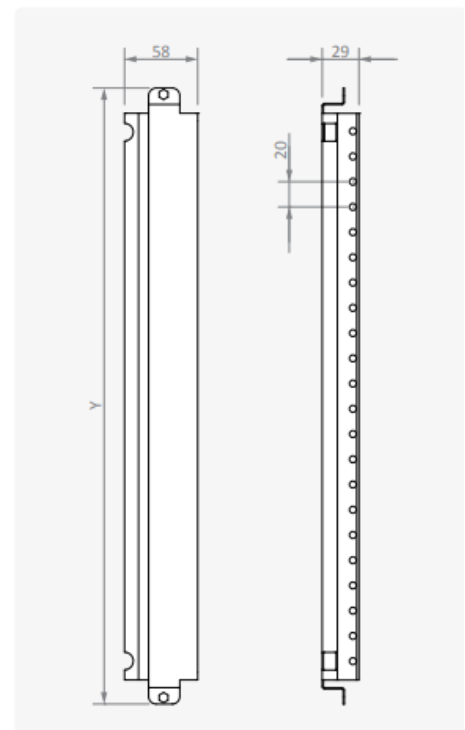
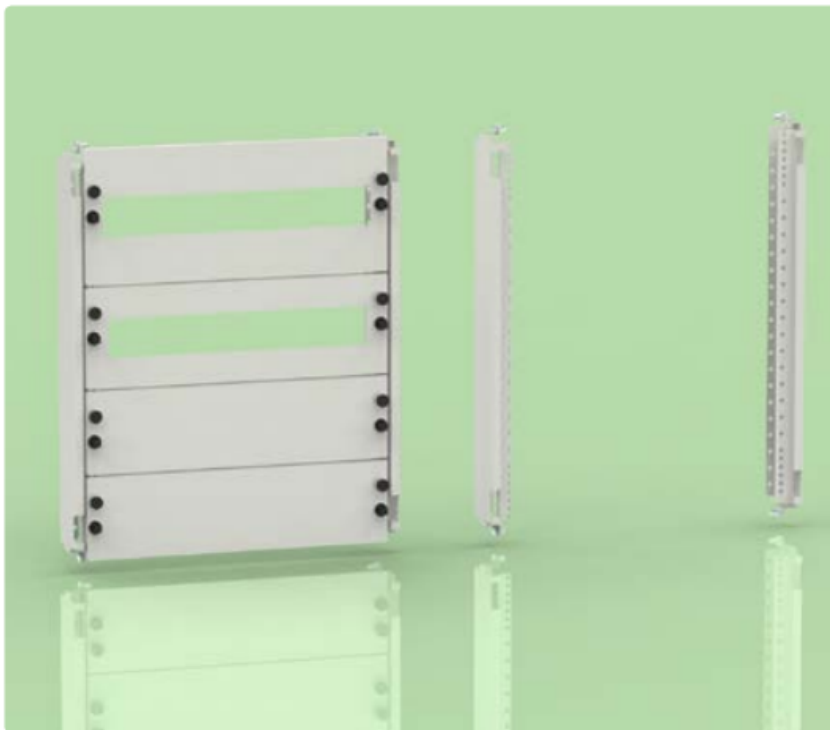


COVER PLATE PROFILE

Reference	Height	External Dimensions		Weight
	B mm	Y mm	Packet pcs/packet	
EKO PR 030	300	288	2	0.7
EKO PR 040	400	388	2	1.0
EKO PR 050	500	488	2	1.3
● EKO PR 060	600	588	2	1.5
EKO PR 070	700	688	2	1.8
● EKO PR 080	800	788	2	2.1
● EKO PR 100	1000	988	2	2.6
● EKO PR 120	1200	1188	2	3.0

Characteristics

■ Material	DIN EN 10130 DC01 CCRS
■ Surface Finishing	RAL7035w powder coating
■ Thickness	1.2 mm

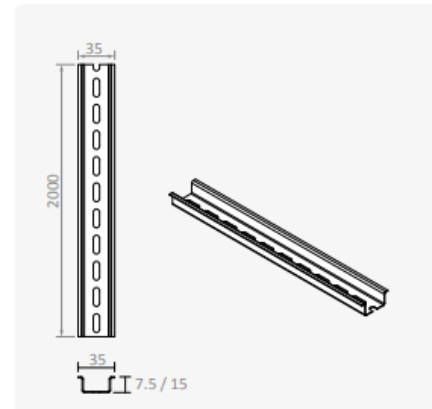
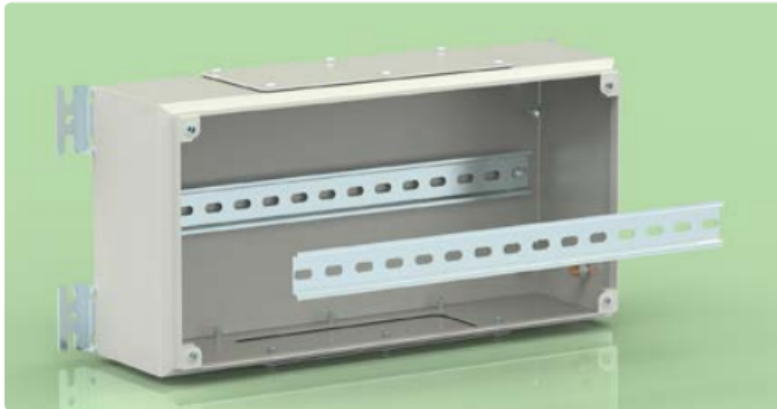


DIN RAILS

Reference	Width	Height	Hole	Length	Weight
	mm	mm	Yes/No	m	kg/pcs
MR KL 500603	35	7.5	No	2	0.7
MR KL 500604	35	7.5	Yes	2	0.7
MR KL 500609	35	15	Yes	2	1.2

Characteristics

■ Material	DIN EN 10130 DC01 CCRS
■ Surface Finishing	Zinc coated Cr ³ passivation
■ Standards	DIN EN 60715



Ventilation Systems



Fan Filters

Reference No	Dimensions		Installation Cut-out	Air Flow *	Voltage	Freq.	Power	Protection Degree	Noise Level
	H x W x D								
	mm								
FFPTF 1000	●	105 x 105 x 56	92 x 92	38/22	230/115	50 / 60	12 / 9	IP43	31/37
FFPTF 2000	●	150 x 150 x 76	125 x 125	160/107	230/115	50 / 60	19/14	IP54	34/37
FFPTF 3000	●	250 x 250 x 127	223 x 223	460/325	230/115	50 / 60	41/38	IP54	55/57
FFPTF 5000		325 x 325 x 163	291 x 291	925/637	230/115	50 / 60	65/75	IP54	59/61
FFPTF 6000		325 x 325 x 164	291 x 291	1860/1395	230/115	50 / 60	110/145	IP54	69/70

Colour: RAL7035w / Protection Degree: IP55 on request

* Unimpeded air flow / Air flow in combination (Filter fan + Exhaust filter)

Filters

Reference No	Dimensions		Installation Cut-out	Filter Mat	Protection Degree
	H x W x D				
		mm	mm	g/m²	
FFPTFA 1000	•	105 x 105 x 14	92 x 92	150	IP43
FFPTFA 2000	•	150 x 150 x 31	125 x 125	150	IP54
FFPTFA 3000	•	250 x 250 x 36	223 x 223	150	IP54
FFPTFA 6000		325 x 325 x 36	291 x 291	150	IP54

Colour: RAL7035w / Protection Degree: IP55 on request



If you require any additional items from TEMPA PANO , we are pleased to assist in sourcing them

KSS

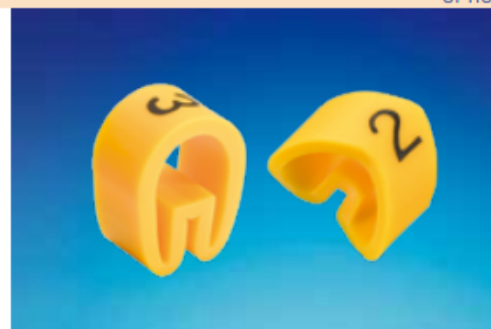
0201 KSS EC TYPE CABLE MARKER

● Material: Flexible PVC.

● Description:

1. KSS EC type cable marker features high quality flexible interior to fit various cable diameters.
2. The half cut marker packed on a roller and can be despatched easily when needed.
3. Bold print on yellow body to show your codes distinguishly. Any numbers can be composed by arranging letters and numbers in sequence to provide the necessary codes.
4. To be fitted before the terminal is attached or solder connection made and grip cable firmly in position.

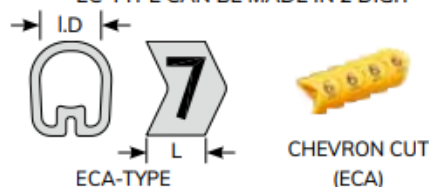
Shape	Item No.	Suitable Wire		Suitable Range I.D.	L	Std. Markings	Packing	
		sq	AWG	mm	mm			
Plain Cut	EC-0	0.12~0.75	26~18	2.0~3.2	4.0	Solid number or letter roll for 0 ~ 9 , A ~ Z /, +, -, ÷, blank ※a~z available as special request	1000pcs / Roll	
	EC-1	0.75~3.5	18~12	3.0~4.2			1000pcs / Roll	
	EC-2	3.5~8	12~8	3.6~7.4	5.0		500pcs / Roll	
	EC-3	8~22	8~4	5.2~10.0	5.5		250pcs / Roll	
Chevron Cut	ECA-02	0.12~0.75	26~18	2.0~3.2	4.0			1000pcs / Roll
	ECA-1 ●	0.75~3.5	18~12	3.0~4.2				1000pcs / Roll
	ECA-2 ●	3.5~8	12~8	3.6~7.4	5.0			500pcs / Roll
	ECA-3	8~22	8~4	5.2~10.0	5.5			250pcs / Roll



Marker tongue spans to fit various cable diameters and retracts to hold wires firmly in position.



EC-TYPE
EC-TYPE CAN BE MADE IN 2 DIGIT



CHEVRON CUT
(ECA)

0101 KSS WIRING DUCT (SLOTTED)

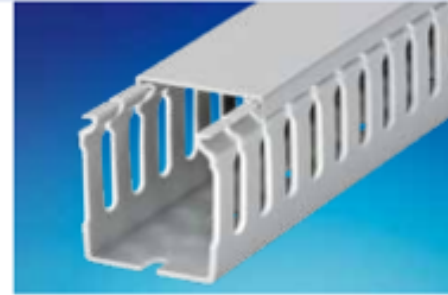


- Material: **UL94V-0** and **M1** flame rated, UL approved PVC.
- Color: Grey.
- PVC service temperature: 85°C
- UL Test up to 50°C
- These devices are for routing of wires within devices in factory installations.
- Features parallel holes on both sidewalls to facilitate cutting in wire application.
- Special color, size, length upon request of reasonable quantity.

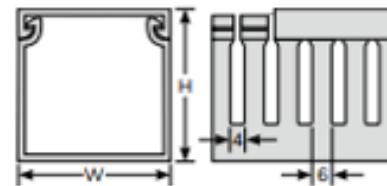
※ The standard wiring duct can be available for non-slip cover, suitable for vertical installations. The item number please specify for example,

Item no. : VD-8→VQ-8, KVD-8→KVQ-8, HVD-8→HVQ-8

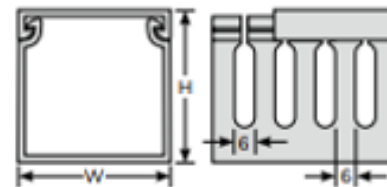
Non-slip cover for the size less than 20mm width or bigger than 125mm is available upon request.



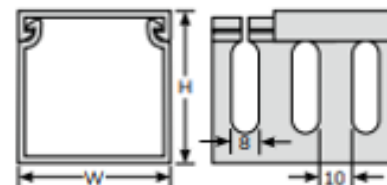
HVD SLOT : 4mm



KVD SLOT : 6mm



VD SLOT : 8mm



Item No.			W x H	Length
SLOT				
8mm	6mm	4mm	mm	
VD-1		● HVD-1	25 X 30	2M
VD-1.5		HVD-1.5	30 X 30	
VD-2		● HVD-2	25 X 40	
VD-3		HVD-3	33 X 40	
VD-4	KVD-4	● HVD-4	40 X 40	
VD-5		HVD-5	60 X 40	
VD-5.5		HVD-5.5	80 X 40	
VD-5.7		HVD-5.7	100 X 40	
VD-6		● HVD-6	25 X 60	
VD-7	KVD-7	● HVD-7	40 X 60	
VD-8	KVD-8	● HVD-8	60 X 60	
VD-9		● HVD-9	80 X 60	
VD-9.5		HVD-9.5	100 X 60	
VD-9.6		HVD-9.6	120 X 60	
VD-9.65		HVD-9.65	120 X 65	
VD-9.66		HVD-9.66	25 X 80	
VD-9.7		● HVD-9.7	40 X 80	
VD-9.8		● HVD-9.8	60 X 80	
VD-10		● HVD-10	80 X 80	
VD-10.5		● HVD-10.5	100 X 80	
VD-11		HVD-11	120 X 80	
VD-12		HVD-12	40 X 100	
VD-13		HVD-13	60 X 100	
VD-14		HVD-14	80 X 100	
● VD-16			120X 100	

0401 KSS SPIRAL WRAPPING BAND



- Color: Standard in natural. Black and other colors are available upon request.
- Description:
 1. Flexible construction enable bands to follow wire ways easily.
 2. Durable, reusable with retained spiral strength.
 3. Fix ends of band with KSS cable ties and spiral wire bundles in clockwise direction to complete works.
 4. Expand spiral range almost without limit. An economical way of cable binding. Easily applied to electric harness, cables and wire bundles. Cut-to-fit versatility in convenient roll-form.
- A reverse design is available.

◆ PE

UNIT : mm

Item No.		O.D.	T	W	Wrapping Range	Packing
Natural	Black					
KS-3	KS-3BK	3.0	0.5	4.7	1.5~10	10M / Bag
KS-6	KS-6BK	4.5	0.6	6.7	2.5~15	
KS-6L	KS-6LBK	6.0	0.6	7.4	4~25	
KS-6.5	KS-6.5BK	6.5	0.55	7.9	5~25	
● KS-8	● KS-8BK	8.0	0.75	12.0	6~30	
● KS-10	● KS-10BK	10.0	0.8	12.3	7.5~30	
● KS-12	● KS-12BK	12.0	0.85	15.0	9~32	
● KS-15	● KS-15BK	15.0	1.0	15.5	12~35	
● KS-19	● KS-19BK	19.0	1.2	19.2	15~50	
● KS-24	● KS-24BK	24.0	1.3	21.5	20~100	
● KS-32	● KS-32BK	32.0	1.5	25.0	28~120	



Box



KSP

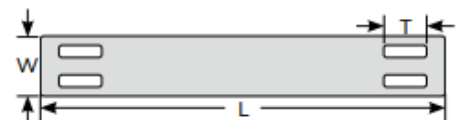
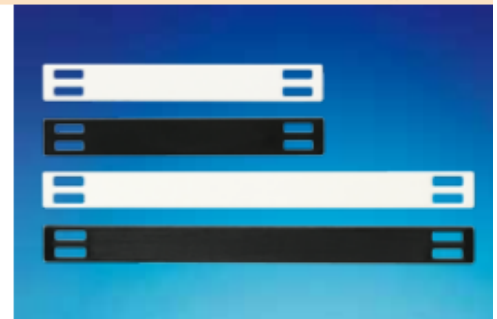
Spool Pack

0203 KSS MARKER STRIP



- Material :UL94V-2 flame rated, UL approved Nylon 66.
- Color: Black
- Nylon 66 plate with cable tie fastening hole to accommodate marker pieces for easy identification of cable runs.

Item No.	L	W	T	Available loaded quantity of FM-1 Cable Marker	Packing
	mm	mm	mm		
MS-65 ●	66	9	6.7	9 pcs	100pcs
MS-100 ●	100	9	6.95	16 pcs	
MS-135 ●	135	9	7	23 pcs	
MS-135L	135	9	13	21 pcs	
MS-170	170	9	7	30 pcs	



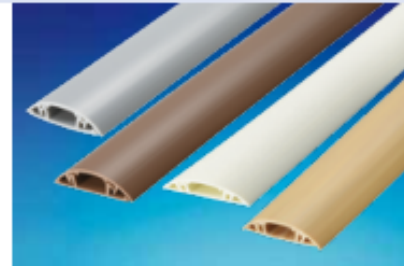
0125 KSS ROUND TYPE WIRING DUCT



- Material: **UL94V-0** and **M1** flame rated, UL approved PVC.
- Color: Grey. (Brown, Milk, Light Grained, Dark Grained available on request)
- PVC service temperature: 85°C
- Backed with high quality double sided tape for permanent stick. Good for floor wiring to facilitate trolley pass and to avoid trips.
- Special grooves design to avoid slips. Shining cover facilitate for decoration and suitable for department store, supermarket, shopping mall, station, hotel, hospital, office and any other public area.

Item No.	Color		W	W1	H	H1	L	Connector lid	Connector base
			mm	mm	mm	mm	mm	Item No.	Item No.
RD-20	Grey		20	8	6.0	4	1M With Adhesive Tape	RDT-20,RDM-20	RBL-20
RD-20BN	Brown							RDI-20,RDO-20	RBT-20
RD-20MW	Milk							RDL-20,RDE-20	
RD-20LX	Light Grained								
RD-20DX	Dark Grained								
RD-30	Grey		30	11	8.0	6		RDT-30,RDM-30	RBL-30
RD-30BN	Brown							RDI-30,RDO-30	RBT-30
RD-30MW	Milk							RDL-30,RDE-30	
RD-30LX	Light Grained								
RD-30DX	Dark Grained								
RD-40	Grey		40	16	9.5	7		RDT-40,RDM-40	RBL-40
RD-40BN	Brown							RDI-40,RDO-40	RBT-40
RD-40MW	Milk							RDL-40,RDE-40	
RD-40LX	Light Grained								
RD-40DX	Dark Grained								
RD-50	Grey		50	20	11.0	8		RDT-50,RDM-50	RBL-50
RD-50BN	Brown							RDI-50,RDO-50	RBT-50
RD-50MW	Milk							RDL-50,RDE-50	
RD-50LX	Light Grained								
RD-50DX	Dark Grained								
RD-60	Grey		60	30	13.0	9		RDT-60,RDM-60	RBL-60
RD-60BN	Brown							RDI-60,RDO-60	RBT-60
RD-60MW	Milk							RDL-60,RDE-60	
RD-60LX	Light Grained								
RD-60DX	Dark Grained								
RD-70	Grey		70	40	15.0	10		RDT-70,RDM-70	RBL-70
RD-70BN	Brown							RDI-70,RDO-70	RBT-70
RD-70MW	Milk							RDL-70,RDE-70	
RD-70LX	Light Grained								
RD-70DX	Dark Grained								
RD-90	Grey		90	45	19.0	15		RDT-90,RDM-90	RBL-90
RD-90BN	Brown							RDI-90,RDO-90	RBT-90
RD-90MW	Milk							RDL-90,RDE-90	
RD-90LX	Light Grained								
RD-90DX	Dark Grained								
RD-120	Grey		120	70	25.0	21		RDT-120,RDM-120	RBL-120
RD-120BN	Brown							RDI-120,RDO-120	RBT-120
RD-120MW	Milk							RDL-120,RDE-120	
RD-120LX	Light Grained								
RD-120DX	Dark Grained								

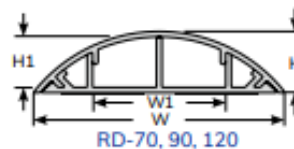
The above color cards are for reference only.



CONNECTOR COVER



CONNECTOR BASE



CONNECTOR COVER TYPE :	
MID-WAY CONNECTOR	: RDM-20
"L" TYPE	: RDL-20
OUTSIDE CORNER	: RDO-20
INSIDE CORNER	: RDI-20
"T" TYPE	: RDT-20
END PIECE	: RDE-20

CONNECTOR BASE TYPE :	
"L" TYPE	: RBL-60
"T" TYPE	: RBT-60



OLD TYPE

NEW TYPE



0808 KSS SCREW ON WIRE CONNECTOR

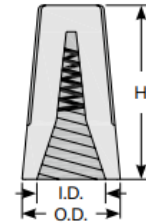


- Material: Steel with UL94V-2 flame rated thermoplastic cover.
- Strip wires before application.
- Rated at 600 volt max. for building wiring.
- Temp. 105°C (221°F)
- Spring design provided more secure connection.



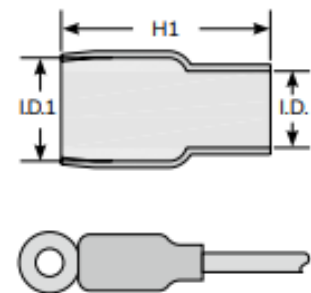
UNIT : mm

Item No.	O.D.	I.D.	H	Wire Combination		Color	Packing
				JIS	AWG		
● SW-71BH	8.6	6.5	15.2	Max. 1 #1.25 w/1 #0.75 w/1 #0.5 Min. 2 #0.5	Max. 1 #16 w/1 #18 w/1 #20 Min. 2 #22	Grey	100pcs
SW-72BH	9.9	7.1	17.7	Max. 3 #1.25 Min. 2 #0.5	Max. 3 #16 Min. 2 #22	Blue	
● SW-73BH	12.7	9.7	22.0	Max. 4 #1.25 w/1 #0.5 Min. 1 #0.75 w/1 #0.5	Max. 4 #16 w/1 #20 Min. 1 #18 w/1 #20	Orange	
● SW-74BH	14.0	11.0	24.6	Max. 2 #3.5 w/2 #2.0 Min. 3 #0.5 Sol	Max. 2 #12 w/2 #14 Min. 3 #20 Sol	Yellow	
● SW-76BH	16.3	13.1	26.5	Max. 2 #5.5 Sol w/2 #3.5 Str Min. 3 #0.75	Max. 2 #10 Sol w/2 #12 Str Min. 3 #18	Red	



0901 KSS VINYL WIRE END CAP

- Material: Flexible PVC.
- Suitable for all kinds of switchboard and complicated machinery to tell different colors. Soft and flexible material can be used for different shapes of end terminals, easy to tighten and take off.
- Feature 1: Smooth and bright surface
 - 2: Stable thickness
 - 3: Consistant length
 - 4: Even opening ends
 - 5: Tidy the wiring works
- Standard color: Red, White, Blue, Yellow, Black, Green. (Brown, Grey available upon request)



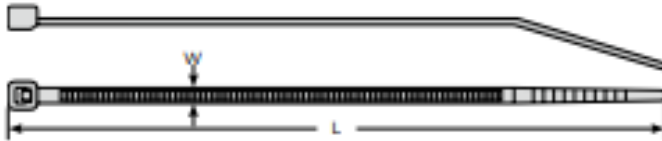
UNIT : mm

Item No.	Dimension		Length H1	JIS	Color	Packing
	I.D.	I.D.1				
V-1.25	3.1	3.3	15.0	1.25	Red 、 Blue 、 White 、 Black 、 Yellow 、 Green Brown 、 Grey	100pcs
V-2	3.7	4.5	14.0	2.0		
V-3.5	4.0	5.1	18.0	3.5		
V-5.5	4.9	5.7	20.0	5.5		
V-8	6.2	6.8	21.0	8		
V-14	8.0	8.8	28.0	14		
V-22	9.8	11.6	29.0	22		
V-38	13.0	14.5	33.0	38		
V-60	14.0	16.4	39.0	60		
V-80	15.8	18.2	46.0	80		
V-100	18.2	21.6	48.9	100		50pcs
V-125	20.3	23.6	52.5	125		
V-150	22.3	25.3	62.7	150		25pcs
V-200	24.4	31.4	61.4	200		
V-250	27.0	32.8	71.5	250		
V-325	29.5	35.3	73.0	325		
V-400	37.3	45.1	78.4	400		
V-500	40.2	48.0	82.3	500		
V-630	44.6	53.8	85.8	630		

0301 KSS NYLON CABLE TIE



- Material: UL94V-2 flame rated, UL approved Nylon 66.
- Color: Standard color is natural, black, other special colors are available upon request.
- Feature: Low Smoke and Halogen Free cable tie suitable for various industry, also household DIY and gardening.
Max. operating temperature up to 85°C
- Application: One piece self-lock cable tie save the time and make effective for installation.



Item No.				Length		W	Max. Bundle Dia.	Min. LoopTensile Strength	
Natural		Black						lbs	kgs
100pcs	1000pcs	100pcs	1000pcs	mm	inch				
※CVT-070	CVT-070K	CVT-070B	CVT-070KB	71	2 13/16"	1.6	11	7	3
※CVT-100	CVT-100K	CVT-100B	CVT-100KB	103	4"	1.95	22	11	5
CV-060	CV-060K	CV-060B	CV-060KB	63.7	2 1/2"	2.4	11	18	8
CV-075	CV-075K	CV-075B	CV-075KB	75	3"	2.4	15		
CV-080	CV-080K	CV-080B	CV-080KB	80	3 1/8"	2.5	16		
CV-094	CV-094K	CV-094B	CV-094KB	96	3 3/4"	2.5	21		
CV-100	CV-100K	CV-100B	CV-100KB	100	4"	2.5	22		
CV-120S	CV-120SK	CV-120SB	CV-120SKB	120	4 3/4"	2.5	28		
CV-140S	CV-140SK	CV-140SB	CV-140SKB	142	5 1/2"	2.5	35		
CV-150S	CV-150SK	CV-150SB	CV-150SKB	155	6 1/8"	2.5	39		
CV-165	CV-165K	CV-165B	CV-165KB	165	6 1/2"	2.5	43		
CV-200M	CV-200MK	CV-200MB	CV-200MKB	203	8"	2.5	55		
CV-250S	CV-250SK	CV-250SB	CV-250SKB	250	10"	2.5	68		
CV-300M		CV-300MB		300	11 7/8"	2.5	80		
CV-400S		CV-400SB		400	15 3/4"	2.5	116		
CV-120	CV-120K	CV-120B	CV-120KB	120	4 3/4"	3.2	27	40	18
CV-140	CV-140K	CV-140B	CV-140KB	142	5 1/2"	3.2	34		
CV-150	CV-150K	CV-150B	CV-150KB	150	6"	3.6	36		
CV-180	CV-180K	CV-180B	CV-180KB	180	7"	3.6	46		
※CV-180T	CV-180TK	CV-180TB	CV-180TKB	180	7"	3.6	46		
CV-200S	CV-200SK	CV-200SB	CV-200SKB	203	8"	3.2	53		
CV-200A	CV-200AK	CV-200AB	CV-200AKB	203	8"	3.6	52		
CV-250M	CV-250MK	CV-250MB	CV-250MKB	250	10"	3.6	68		
CV-265	CV-265K	CV-265B	CV-265KB	265	10 1/2"	3.6	73		
CV-292	CV-292K	CV-292B	CV-292KB	292	11 1/2"	3.6	82		
CV-330		CV-330B		330	13"	3.6	93		
CV-368S		CV-368SB		368	14 1/2"	3.6	105		
CV-120L	CV-120LK	CV-120LB	CV-120LKB	120	4 3/4"	4.8	27		
CV-160L	CV-160LK	CV-160LB	CV-160LKB	160	6 1/4"	4.8	39		
CV-190	CV-190K	CV-190B	CV-190KB	190	7 1/2"	4.8	49		
※CV-190T	CV-190TK	CV-190TB	CV-190TKB	190	7 1/2"	4.8	49		
CV-200	CV-200K	CV-200B	CV-200KB	203	8"	4.6	52		
CV-200D	CV-200DK	CV-200DB	CV-200DKB	203	8"	4.8	52		

※ CVT-070 doesn't have minimum bundle diameter. ※ CV-200T Tail
CVT-100



※ CV-180T Tail
CV-190T



0505 KSS SELF ADHESIVE TIE MOUNT

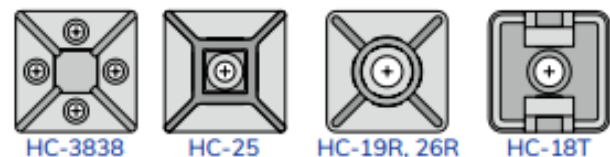
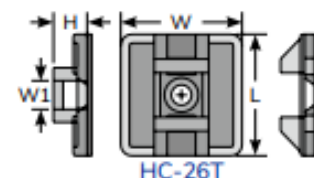
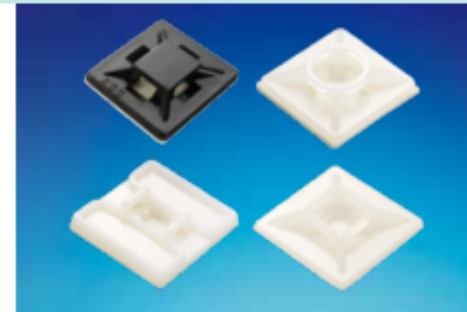


- Material: UL94V-2 flame rated, UL approved Nylon 66 with adhesive tape.
- Color : Natural, available in other colors.
- SELF-ADHESIVE TIE MOUNT is designed to support light weight wire bundles when properly applied on any clean, smooth, grease-free surface. For heavy support, mounting hole is provided for screws.
- To apply, simply peel off liner and apply mount to surface. After that, cable ties can be inserted to secure wire bundles.

UNIT : mm

Item No.	L	W	W1	H	Mounting Hole M	Packing
※ ▲ HC-100-S4	12.5	12.5	3.2	3.2		100pcs
※ ▲ HC-101S-S2	19.5	19.5	4.6	3.9	3.2	
▲ HC-101S	19.5	19.5	4.6	3.9	3.2	
▲ HC-101	21.8	21.8	4.8	4.0		
NEW ▲ HC-101SA	19.0	19.0	4.0	4.5	3.4	
▲ HC-102	28.6	28.6	5.5	5.3	5.0	
NEW ▲ HC-102A	28.0	28.0	5.3	5.6	5.6	
HC-103	29.2	29.2	5.5	5.4	5.0	
▲ HC-25	26.1	26.1	8.0	6.0	4.3	
▲ HC-19R	18.9	18.9	4.2	4.6	4.8	
▲ HC-26R	26.3	26.3	5.6	6.0	5.0	
HC-18T	19.0	19.0	4.1	5.0	4.4	
HC-26T	26.5	26.5	5.8	7.4	4.3	
▲ HC-3838	38.5	38.5	10.2	7.6	5.0	

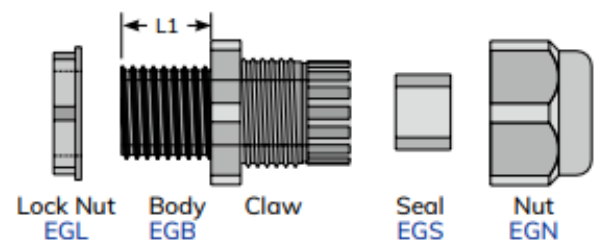
- ※ HC-100-S4 4pcs on a strip (Simply peel off backing paper)
 ※ HC-101S-S2 2pcs on a strip (Simply peel off backing paper)
 ▲ 4 way entry



0606 KSS NYLON CABLE GLAND



- Material: UL94V-2 flame rated, UL approved Nylon 66, TPE for Seal, PVC for Washer.
- Color: Black, available in other colors.
- Suit a variety of applications, and diverse industries.
- Function :Mount gland to pre-drilled panel hole, use locknut to fix gland on board, insert the cables in the seal, and then tighten up the nut to hold cables in position.
- Feature : Simply and quickly fixed, high degree of the protection IP68 preventing dust and water.
- Available to order the accessories separately. Follow the drawing and add the letter to the suffix part number, L for locknut, W for washer, B for gland body, S for seal, N for nut. For example, EGL-7 if you would like to only order locknut for PG7.
- ※ EG-7LS has smaller nut.



PG THREAD (DIN STANDARD) ※Protection : IP68 (only if the washer is assembled)

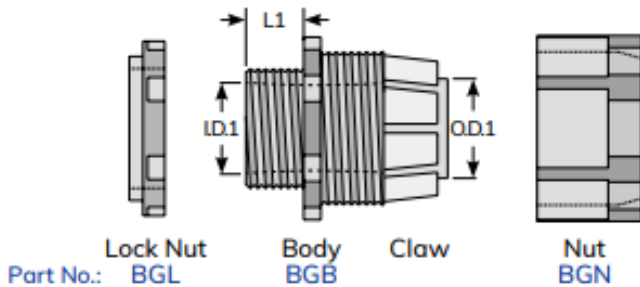
UNIT : mm

Item No.	Thread	Thread O.D.	Mounting Hole	L1	Cable Range	Packing		
EG-7	PG7	12.5	12.5+0.2	7.9	3~6.5	WITHOUT WASHER	50pcs	
 EG-7LS	PG7	12.5	12.5+0.2	7.9	3~6.5			
 EG-9	PG9	15.2	15.2+0.2	8.2	4~8			
 EG-9L 	PG9	15.2	15.2+0.2	14.7	4~8			
 EG-11	PG11	18.6	18.6+0.2	7.9	5~10			
 EG-11L 	PG11	18.6	18.6+0.2	14.9	5~10			
 EG-13.5	PG13.5	20.4	20.4+0.2	8.9	6~12			
 EG-13.5L 	PG13.5	20.4	20.4+0.2	15.8	6~12			
 EG-16 	PG16	22.5	22.5+0.2	9.8	10~14			
 EG-21 	PG21	28.3	28.3+0.3	10.8	13~18			
 EG-29 	PG29	37.0	37.0+0.3	10.8	18~25	25pcs	10pcs	
 EG-36 	PG36	47.0	47.0+0.3	15.0	22~32			
EG-42 	PG42	54.0	54.0+0.3	14.5	30~38	10pcs		
EG-48 	PG48	59.3	59.3+0.3	16.7	34~44			

0615 KSS FLEXIBLE CONDUIT ADAPTOR



- Material: UL94V-2 flame rated, UL approved Nylon 66.
- Color: Grey
- Constructed of three parts to fix flexible conduit in control panel, machinery and apparatus.
- Application
 1. Mount body to pre-drilled panel hole.
 2. Insert conduit through nut.
 3. Insert conduit to claw and fix it with nut to complete works.
- ※ Available in LDPE material upon request.



※Protection : IP55

UNIT : mm

Item No.	Thread	Thread O.D.	Mounting Hole	O.D.1	I.D.1	L1	Suitable Conduit	Packing
BG-10	M12X1.25	12.0	12+0.2	7.5	5.8	9.7	BG-10P	50pcs
● BG-14		18.0	18+0.2	10.5	9.0	10.0	BG-14P	
BG-16		18.0	18+0.2	10.8	9.0	10.0	BG-16P	
● BG-18	M16X1.5	16.0	16+0.2	13.3	10.8	9.7	BG-18P	
BG-20		21.0	21+0.2	14.7	12.9	10.0	BG-20P	
● BG-22	M20X1.5	20.0	20+0.2	17.2	14.8	9.8	BG-22P	
BG-25	M25X1.5	25.0	25+0.3	18.9	16.6	11.4	BG-25P	
● BG-26	M25X1.5	25.0	25+0.3	19.8	17.6	11.4	BG-26P	25pcs
BG-32		33.0	33+0.3	24.3	22.3	12.0	BG-32P	
● BG-34	M34X1.5	34.0	32+0.3	28.6	25.5	11.3	BG-34P	
BG-40		39.5	39.5+0.3	31.6	29.0	11.3	BG-40P	
BG-42	M40X1.5	40.0	40+0.3	34.8	31.4	11.5	BG-42P	10pcs
BG-48		46.0	46+0.3	40.5	36.9	12.6	BG-48P	
BG-50		46.0	46+0.3	39.5	36.9	12.6	BG-50P	

0615 KSS FLEXIBLE CONDUIT ADAPTOR



- Material: UL94HB flame rated, UL approved ABS.
- Color: Grey

UNIT : mm

Item No.	TYPE	Suitable Conduit	Packing
FAM-18	Conduit to conduit connector	BG-18P	20pcs
FAM-22		BG-22P	
FAM-26		BG-26P	
FAM-34		BG-34P	
● FAB-18	Conduit to junction box connector	BG-18P	
● FAB-22		BG-22P	
● FAB-26		BG-26P	
● FAB-34		BG-34P	
FAP-18	Conduit to PVC pipe connector	BG-18P	
FAP-22		BG-22P	
FAP-26		BG-26P	
FAP-34		BG-34P	



If you require any additional items from KSS, we are pleased to assist in sourcing them





PF1000



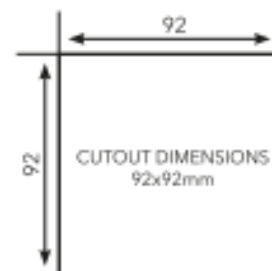
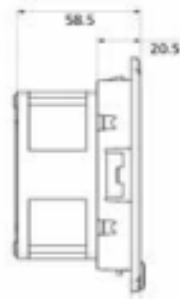
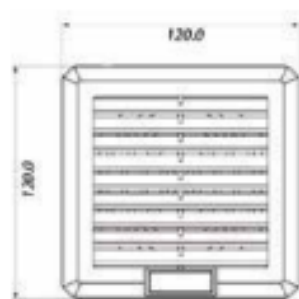
PTF1000



PTF1000T

New
FILTER FANS
30m³/h

MODELS	UNIT	● PF1000	● PTF1000	PTF1000T
AIR FLOW RATE	m ³ /h	-	30 (41)	30 (41)
POWER SUPPLY	V/Hz	-	230V 50-60Hz	230V 50-60Hz
DIMENSIONS	mm	120x120x20.5	120x120x58.5	120x120x58.5
POWER CONSUMPTION	W	-	14 (13)	14 (13)
CURRENT CONSUMPTION	A	-	0.08/0.07	0.08/0.07
OVERCURRENT PROTECTION	-	-	IMPEDANCE	IMPEDANCE
ELECTRICAL CONNECTION	-	-	LEAD WIRE	3-POLE TERMINAL 2.5mm ²
OPERATING TEMPERATURE	°C	-10/+70	-10/+70	-10/+70
PROTECTION DEGREE	-	IP54	IP54 / CLASS I	IP54 / CLASS I
NOISE LEVEL	dB(A)	62 (64)	28 (31)	28 (31)
FLOW DIRECTION	-	-	OUTSIDE-IN	OUTSIDE-IN
BEARING	-	-	SLEEVE	SLEEVE
PLASTIC MATERIAL	-	UL94 V0 ABS FLAME RETARDANT	UL94 V0 ABS FLAME RETARDANT	UL94 V0 ABS FLAME RETARDANT
GASKET	-	SELF-ADHESIVE	SELF-ADHESIVE	SELF-ADHESIVE
COLOR	-	RAL7035 (RAL7032 ON REQUEST)	RAL7035 (RAL7032 ON REQUEST)	RAL7035 (RAL7032 ON REQUEST)
WEIGHT	kg	0.10	0.40	0.40
MOUNTING	-	FAST CLIP ON	FAST CLIP ON	FAST CLIP ON
CONFORMITY	-	CE	CE	CE





PF11500



PTF1500

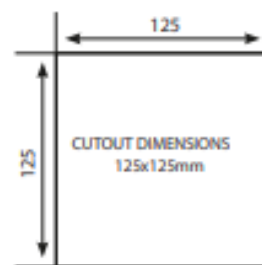
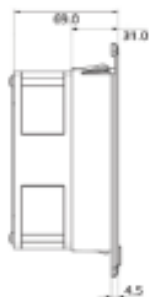


PTF1500T



**Filter
FANS**
100 m³/h

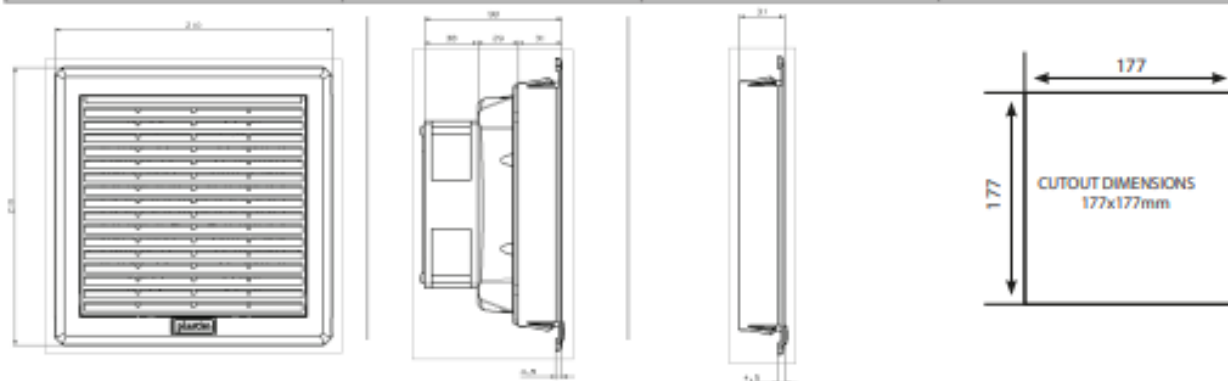
MODELS	UNIT	● PF11500	● PTF1500	PTF1500T
AIR FLOW RATE	m ³ /h	-	100(140)	100(140)
POWER SUPPLY	V/Hz	-	230V 50-60Hz	230V 50-60Hz
DIMENSIONS	mm	160x160x31	160x160x69	160x160x69
POWER CONSUMPTION	W	-	26 (23)	26 (23)
CURRENT CONSUMPTION	A	-	0.14/0.13	0.14/0.13
OVERCURRENT PROTECTION	-	-	IMPEDANCE	IMPEDANCE
ELECTRICAL CONNECTION	-	-	LEAD WIRE	3-POLE TERMINAL 2.5mm ²
OPERATING TEMPERATURE	°C	-10/+70	-10/+70	-10/+70
PROTECTION DEGREE	-	IP54	IP54 / CLASS I	IP54 / CLASS I
NOISE LEVEL	dB(A)	-	42 (46)	42 (46)
FLOW DIRECTION	-	-	OUTSIDE-IN	OUTSIDE-IN
BEARING	-	-	BALL	BALL
PLASTIC MATERIAL	-	UL94 V0 ABS FLAME RETARDANT	UL94 V0 ABS FLAME RETARDANT	UL94 V0 ABS FLAME RETARDANT
GASKET	-	POLYURETHANE SEALING	POLYURETHANE SEALING	POLYURETHANE SEALING
COLOR	-	RAL7035 (RAL7032 ON REQUEST)	RAL7035 (RAL7032 ON REQUEST)	RAL7035 (RAL7032 ON REQUEST)
WEIGHT	kg	0.18	0.68	0.68
MOUNTING	-	FAST CLIP ON	FAST CLIP ON	FAST CLIP ON
CONFORMITY	-	CE	CE	CE





New
**FILTER
FANS**
125m³/h

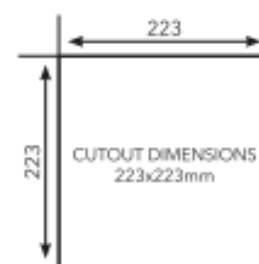
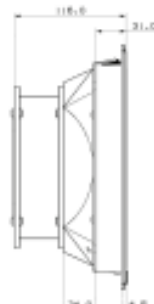
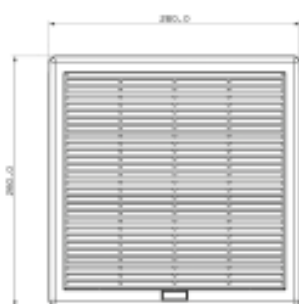
MODELS	UNIT	● PFI2000	● PTF2000
AIR FLOW RATE	m ³ /h	-	125 (175)
POWER SUPPLY	V/Hz	-	230V 50-60Hz
DIMENSIONS	mm	210x210x31	210x210x98
POWER CONSUMPTION	W	-	26 (23)
CURRENT CONSUMPTION	A	-	0.14/0.13
OVERCURRENT PROTECTION	-	-	IMPEDANCE
ELECTRICAL CONNECTION	-	-	3-POLE TERMINAL
OPERATING TEMPERATURE	°C	-10/+70	-10/+70
PROTECTION DEGREE	-	IP54	IP54 / CLASS I
NOISE LEVEL	dB(A)	-	42 (46)
FLOW DIRECTION	-	-	OUTSIDE-IN
BEARING	-	-	BALL
PLASTIC MATERIAL	-	UL94 V0 ABS FLAME RETARDANT	UL94 V0 ABS FLAME RETARDANT
GASKET	-	POLYURETHANE SEALING	POLYURETHANE SEALING
COLOUR	-	RAL7035 (RAL7032 ON REQUEST)	RAL7035 (RAL7032 ON REQUEST)
WEIGHT	kg	0.35	1.05
MOUNTING	-	FAST CLIP-ON	FAST CLIP-ON
CONFORMITY	-	CE	CE





**FILTER
FANS**
115m³/h

MODELS	UNIT	PF12500	PTF2500
AIR FLOW RATE	m ³ /h	-	115 (130)
POWER SUPPLY	V/Hz	-	230V 50-60Hz
DIMENSIONS	mm	260x260x31	260x260x103
POWER CONSUMPTION	W	-	26 (23)
CURRENT CONSUMPTION	A	-	0.14/0.13
OVERCURRENT PROTECTION	-	-	IMPEDANCE
ELECTRICAL CONNECTION	-	-	3-POLE TERMINAL
OPERATING TEMPERATURE	°C	-10/+70	-10/+70
PROTECTION DEGREE	-	IP54	IP54 / CLASS I
NOISE LEVEL	dB(A)	-	42 (46)
FLOW DIRECTION	-	-	OUTSIDE-IN
BEARING	-	-	BALL
PLASTIC MATERIAL	-	UL94 V0 ABS FLAME RETARDANT	UL94 V0 ABS FLAME RETARDANT
GASKET	-	POLYURETHANE SEALING	POLYURETHANE SEALING
COLOUR	-	RAL7035 (RAL7032 ON REQUEST)	RAL7035 (RAL7032 ON REQUEST)
WEIGHT	kg	0.48	1.18
MOUNTING	-	FAST CLIP-ON	FAST CLIP-ON
CONFORMITY	-	CE	CE



PLASTIC DISTRIBUTION BOARDS GREY DOOR



MAIN TECHNICAL FEATURES

- Resistance: Chemical agents, alkali, oils, salts, etc.
- Rated Voltage: Up to 690V
- Maximum Current: Up to 800A
- Operating Temperature: -35°C + 65°C
- Material: HB ABS
- Mounting Plate: Galvanised steel 1mm
- IP Degree: IP65
- IK Degree: IK08
- Colour: RAL7035 Grey (Other colours on request)
-  RoHS



Polyurethane Sealing  IP65



PLASTIC DISTRIBUTION BOARDS - GREY DOOR

CODE	L (mm)	W (mm)	H (mm)	WEIGHT(kg)
PP3001	200	300	130	1.70
● PP3002	250	350	150	2.20
● PP3004	300	400	170	3.00
● PP3005	300	400	220	3.40
● PP3006	350	500	190	4.30
PP3003	400	500	175	4.30
PP3007	400	500	240	5.60
PP3008	400	600	200	6.00
PP3010	500	700	250	10.10
PP3021	600	800	260	13.50

MODULAR DISTRIBUTION BOARDS GREY DOOR

Polyurethane Sealing
IP65



MAIN TECHNICAL FEATURES

- Resistance: Chemical agents, alkali, oils, salts, etc.
- Rated Voltage: Up to 690V
- Maximum Current: Up to 800A
- Operating Temperature: -35°C + 65°C
- Material: HB ABS
- IP Degree: IP65
- IK Degree: IK08
- Colour: RAL7035 Grey (Other colours on request)
-  RoHS



Polyurethane Sealing
IP65



MODULAR DISTRIBUTION BOARDS - GREY DOOR

CODE	L (mm)	W (mm)	H (mm)	MCB Qty	WEIGHT(kg)
PP3102	250	350	150	18 (9x2)	2.50
● PP3104	300	400	170	24 (12x2)	3.40
● PP3106	350	500	190	45 (15x3)	4.50
● PP3108	400	600	200	60 (15x4)	6.00

PLASTIC DISTRIBUTION BOARDS **TRANSPARENT DOOR**



MAIN TECHNICAL FEATURES

- Resistance: Chemical agents, alkali, oils, salts, etc.
- Rated Voltage: Up to 690V
- Maximum Current: Up to 800A
- Operating Temperature: -35°C + 65°C
- Material: HB ABS + Polycarbonate (Doors)
- Mounting Plate: Galvanised steel 1mm
- IP Degree: IP65
- IK Degree: IK08
- Colour: RAL7035 Grey body, transparent door (Other colours on request)
- **CE** RoHS



Polyurethane
Sealing

IP65



PLASTIC DISTRIBUTION BOARDS - TRANSPARENT DOOR

CODE	L (mm)	W (mm)	H (mm)	WEIGHT(kg)
PP3011 ●	200	300	130	1.70
PP3012	250	350	150	2.20
PP3014 ●	300	400	170	3.00
PP3015	300	400	220	3.40
PP3016 ●	350	500	190	4.30
PP3013	400	500	175	4.30
PP3017	400	500	240	5.60
PP3018	400	600	200	6.00
PP3020	500	700	250	10.10
PP3022	600	800	260	13.50

MODULAR DISTRIBUTION BOARDS TRANSPARENT DOOR



MAIN TECHNICAL FEATURES

- Resistance: Chemical agents, alkali, oils, salts, etc.
- Rated Voltage: Up to 690V
- Maximum Current: Up to 800A
- Operating Temperature: -35°C + 65°C
- Material: HB ABS + Polycarbonate (Doors)
- IP Degree: IP65
- IK Degree: IK08
- Colour: RAL7035 Grey body, transparent door (Other colours on request)
- **CE** RoHS



Polyurethane
Sealing



MODULAR DISTRIBUTION BOARDS - TRANSPARENT DOOR

CODE	L (mm)	W (mm)	H (mm)	MCB Qty	WEIGHT(kg)
PP3112	250	350	150	18 (9x2)	2.50
PP3114 ●	300	400	170	24 (12x2)	3.40
PP3116 ●	350	500	190	45 (15x3)	4.50
PP3118 ●	400	600	200	60 (15x4)	6.00

	CODE PDB 407	CABLE TYPE	CABLE SECTION mm ²	
			INPUT	OUTPUT
NUMBER OF POLES (4)		Single Core	1x10-35 mm ²	1x10-25 mm ² 5x2,5-6 mm ²
CURRENT 125 Amper		Multi Core	1x10-16 mm ²	1x6-16 mm ² 5x1,5-6 mm ²

	CODE PDB 411	CABLE TYPE	CABLE SECTION mm ²	
			INPUT	OUTPUT
NUMBER OF POLES (4)		Single Core	2x10-35 mm ²	2x10-25 mm ² 7x2,5-6 mm ²
CURRENT 125 Amper		Multi Core	2x10-16 mm ²	2x6-16 mm ² 7x1,5-6 mm ²

	CODE PDB 415	CABLE TYPE	CABLE SECTION mm ²	
			INPUT	OUTPUT
NUMBER OF POLES (4)		Single Core	2x10-35 mm ²	2x10-25 mm ² 11x2,5-6 mm ²
CURRENT 125 Amper		Multi Core	2x10-16 mm ²	2x6-16 mm ² 11x1,5-6 mm ²



PPCA4



PPCA5



PPA05

New!

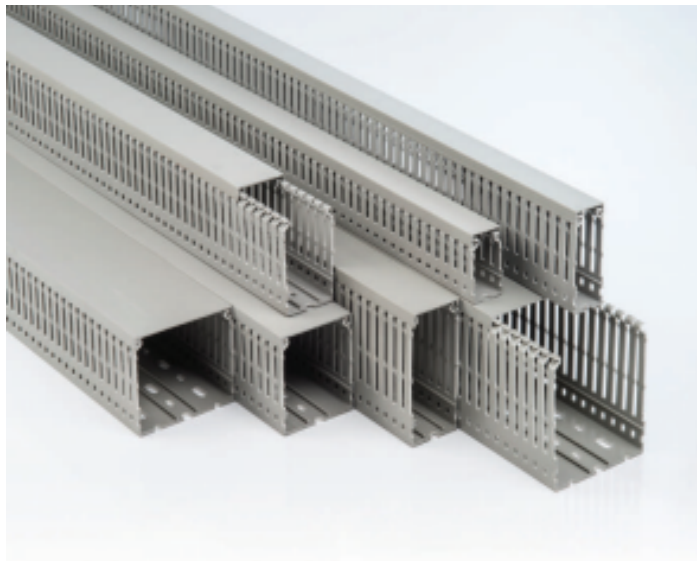
CODE	DESCRIPTION	PACK IN PCS
PPCA5	DRAWING POCKET A5 SIZE	10
PPCA4	DRAWING POCKET A4 SIZE	10
PPA05	KEY LOCK FOR ABS PANELS	10



DIN RAILS AND SUPPORT

PRODUCT CODE	DESCRIPTION	TYPE	LENGTH	PACKING QTY
PDR1001	35x7.5mm	Un Perforated	1mt	20
PDR1002	35x7.5mm	Un Perforated	2mt	20
● PDR2001	35x7.5mm	Perforated	1mt	20
● PDR2002	35x7.5mm	Perforated	2mt	20

PRODUCT CODE	DESCRIPTION	TYPE	LENGTH	PACKING QTY
PDR3001	35x15mm	Un Perforated	1mt	10
PDR3002	35x15mm	Un Perforated	2mt	10
● PDR4001	35x15mm	Perforated	1mt	10
PDR4002	35x15mm	Perforated	2mt	10



SLOTTED TYPE WIRING DUCTS

MAIN TECHNICAL FEATURES:

- Made of: technopolymer on rigid PVC base, self-extinguishing (UL94) V0
- Narrow slots 4/6/4mm + 5/8/5mm
- Perforated bottom according to the standard DIN 43659
- Standard bars length: 2m
- Reference Standards: EN 5085-2-3
- Packed in strong cardboard boxes suitable for transport and storage
- Standard colour RAL7030, other colours on request
-  RoHS



SLOTTED WIRING DUCTS

Code	External Dimensions (mm)	Slot Range (mm)	Colour	Packaging
● PDK 2530	25x30	4/6/4 mm	RAL 7030 Grey	60x2m
● PDK 2540	25x40	4/6/4 mm	RAL 7030 Grey	64x2m
● PDK 2560	25x60	4/6/4 mm	RAL 7030 Grey	48x2m
PDK 2580	25x80	4/6/4 mm	RAL 7030 Grey	32x2m
● PDK 4040	40x40	4/6/4 mm	RAL 7030 Grey	35x2m
● PDK 4060	40x60	4/6/4 mm	RAL 7030 Grey	30x2m
● PDK 4080	40x80	4/6/4 mm	RAL 7030 Grey	20x2m
PDK 4010	40x100	5/8/5 mm	RAL 7030 Grey	20x2m
● PDK 6040	60x40	4/6/4 mm	RAL 7030 Grey	25x2m
● PDK 6060	60x60	4/6/4 mm	RAL 7030 Grey	24x2m
● PDK 6080	60x80	4/6/4 mm	RAL 7030 Grey	16x2m
PDK 6010	60x100	5/8/5 mm	RAL 7030 Grey	16x2m
PDK 8060	80x60	4/6/4 mm	RAL 7030 Grey	14x2m
● PDK 8080	80x80	4/6/4 mm	RAL 7030 Grey	12x2m
PDK 8010	80x100	5/8/5 mm	RAL 7030 Grey	12x2m
PDK 1060	100x60	4/6/4 mm	RAL 7030 Grey	10x2m
● PDK 1080	100x80	4/6/4 mm	RAL 7030 Grey	10x2m
● PDK 1010	100x100	5/8/5 mm	RAL 7030 Grey	8x2m
PDK 1260	120x60	4/6/4 mm	RAL 7030 Grey	10x2m
PDK 1280	120x80	4/6/4 mm	RAL 7030 Grey	8x2m

PB0 PUSH BUTTON SERIES

Q22mm

	PRODUCT CODE	HEAD COLOR	DESCRIPTION	CONTACT	PACKAGE QTY
	● PB0-AA31	 Green	Push Button Green	1NO	10
	● PB0-AA42	 Red	Push Button Red	1NC	10
	PB0-AA51	 Yellow	Push Button Yellow	1NO	10
	PB0-AA61	 Blue	Push Button Blue	1NO	10
	PB0-AA11	 White	Push Button White	1NO	10
	● PB0-AA21	 Black	Push Button Black	1NO	10
	PB0-AW31B5	 White	LED Illuminated Push Button 24V White	1NO	10
	PB0-AW33B5	 Green	LED Illuminated Push Button 24V Green	1NO	10
	PB0-AW34B5	 Red	LED Illuminated Push Button 24V Red	1NC	10
	PB0-AW35B5	 Yellow	LED Illuminated Push Button 24V Yellow	1NO	10
	PB0-AW36B5	 Blue	LED Illuminated Push Button 24V Blue	1NO	10
	PB0-AW31M5	 White	LED Illuminated Push Button 220V White	1NO	10
	● PB0-AW33M5	 Green	LED Illuminated Push Button 220V Green	1NO	10
	● PB0-AW34M5	 Red	LED Illuminated Push Button 220V Red	1NC	10
	● PB0-AW35M5	 Yellow	LED Illuminated Push Button 220V Yellow	1NO	10
	PB0-AW36M5	 Blue	LED Illuminated Push Button 220V Blue	1NO	10
	● PB0-AC42	 Red	Mushroom Red Button	1NC	10
	PB0-AC31	 Green	Mushroom Green Button	1NO	10
	● PB0-AS542	 Red	Emergency Stop Red	1NC	10
	PB0-AS542-24L	 Red	LED Emergency Stop 24V Red	1NC	10
	PB0-AS542-230L	 Red	LED Emergency Stop 220V Red	1NC	10

	PRODUCT CODE	HEAD COLOR	DESCRIPTION	CONTACT	PACKAGE QTY
	• PB0-AD21	Black	0-1 Selector	1NO	10
	• PB0-AD33	Black	1-0-2 Selector	2NO	10
	PB0-AD53	Black	1-0-2 Selector Spring Turn	2NO	10
	PB0-AD41	Black	0-1 Selector Spring Turn	1NO	10
	PB0-AJ21	Black	0-1 Selector Long Handle	1NO	10
	PB0-AJ33	Black	1-0-2 Selector Long Handle	2NO	10
	PB0-AJ53	Black	1-0-2 Selector Spring Turn Long Handle	2NO	10

	PRODUCT CODE	HEAD COLOR	DESCRIPTION	CONTACT	PACKAGE QTY
	• PB0-AL73415	Red+Green	Twin Button	1NO+1NC	10
	PB0-AW734B5	Red+Green	LED Twin Button 24V	1NO+1NC	10
	• PB0-AW734M5	Red+Green	LED Twin Button 220V	1NO+1NC	10

	• PB0-LS22-24R	Red	LED Pilot Light Q22mm 24V Red	- -	10
	• PB0-LS22-24G	Green	LED Pilot Light Q22mm 24V Green	- -	10
	• PB0-LS22-24Y	Yellow	LED Pilot Light Q22mm 24V Yellow	- -	10
	• PB0-LS22-24W	White	LED Pilot Light Q22mm 24V White	- -	10
	• PB0-LS22-24B	Blue	LED Pilot Light Q22mm 24V Blue	- -	10
	• PB0-LS22-220R	Red	LED Pilot Light Q22mm 220V Red	- -	10
	• PB0-LS22-220G	Green	LED Pilot Light Q22mm 220V Green	- -	10
	• PB0-LS22-220Y	Yellow	LED Pilot Light Q22mm 220V Yellow	- -	10
	• PB0-LS22-220W	White	LED Pilot Light Q22mm 220V White	- -	10
	• PB0-LS22-220B	Blue	LED Pilot Light Q22mm 220V Blue	- -	10

	• PB0-KB01	NC Contact	NC Contact	1NC
	• PB0-KB10	NO Contact	NO Contact	1NO



PB-BK 01Y	Yellow-Black	1 Hole Push Button Box	- -
PB-BK 01G	Grey-Black	1 Hole Push Button Box	- -
PB-BK 02G	Grey-Black	2 Hole Push Button Box	- -
PB-BK 03G	Grey-Black	3 Hole Push Button Box	- -
PB-BK 04G	Grey-Black	4 Hole Push Button Box	- -
PB-BK 05G	Grey-Black	5 Hole Push Button Box	- -

PB-SB22	Silicon Button Protection Top Q22 Transparent	- -
PB-BSA	Button Stud Clamping Tool	- -
PB-ES60	Emergency Stop Label Q60	- -
PB-ES90	Emergency Stop Label Q90	- -
PB-BR2515	Label for Q22 Button	- -
PB-KT22	Panel Plug Q22	- -
PB-BK0	Protection Cover Oval	- -
PB-BKY	Protection Cover Round	- -



PB-SB22



PB-BSA



PB-ES60



PB-BR2515



PB-KT22



PB-BK0



PB-BKY

If you require any additional items from Plastim, we are pleased to assist in sourcing them





Earth Rod
3/4" x 1500mm
100 microns



Rod To Cable Clamp
3/4" or 20mm
35-95mm²





Terminal Boxes

High-quality terminal boxes constructed from durable PVC, offering excellent protection for electrical connections. Available in various sizes, they feature pre-formed, flexible cable entry points for easy and efficient installation. These boxes are ideal for indoor and outdoor use, providing superior resistance to moisture, dust, and mechanical impacts. The PVC material ensures long-lasting reliability and excellent insulation properties for a wide range of applications.





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