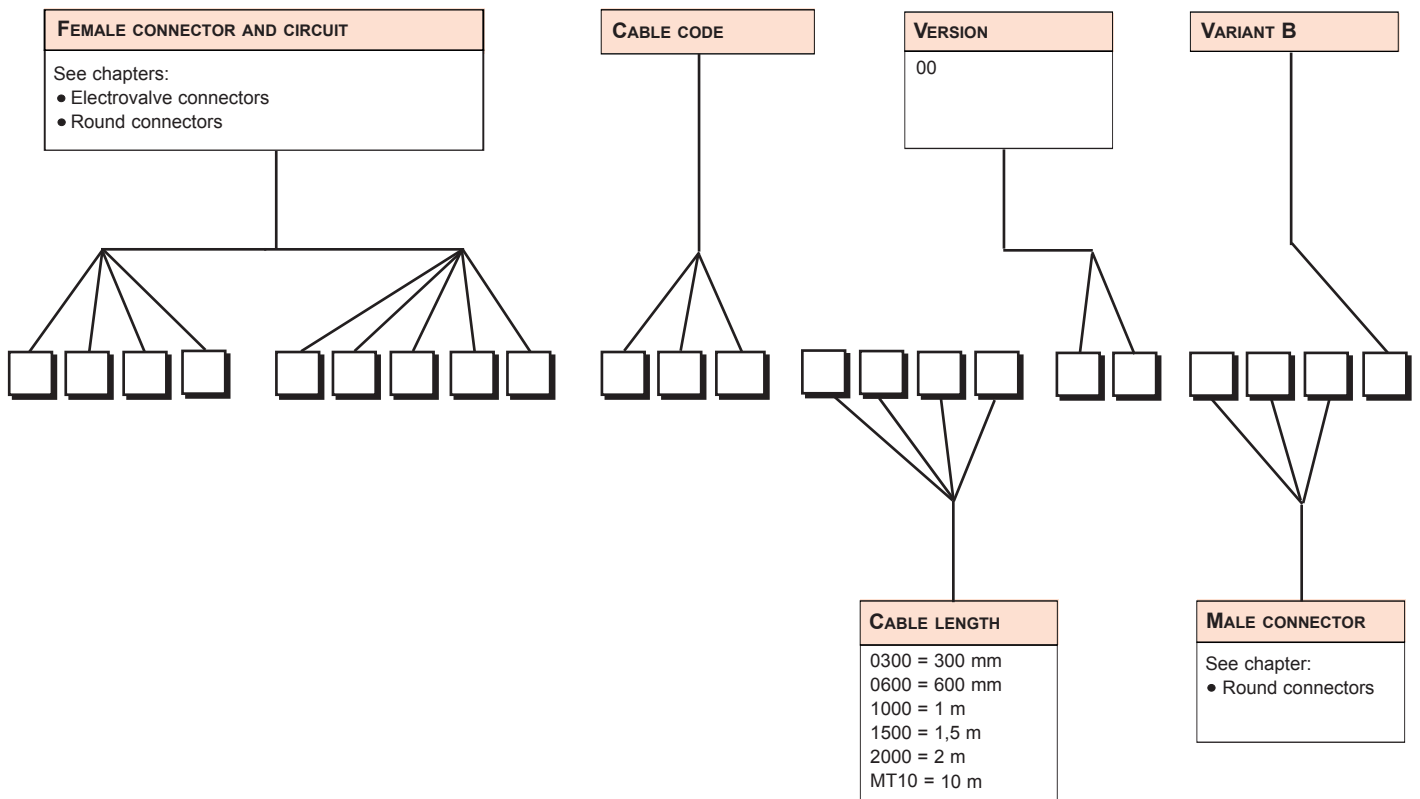


EXTENSION CORDS AND DISTRIBUTION BOXES

Code formation chart



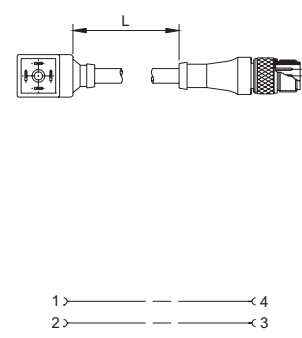
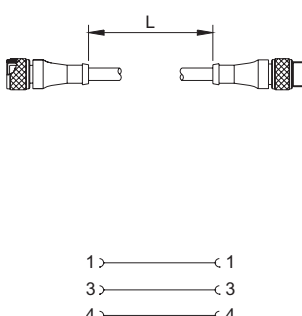
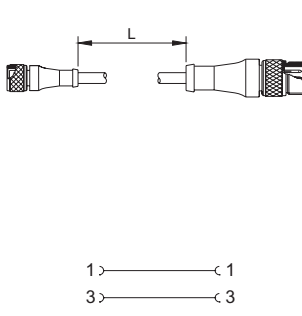
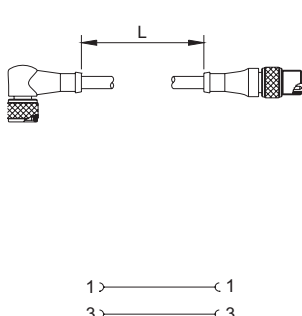
Notes:

- 1) Versions shown on these pages are the most common. Other combinations can be supplied.
- 2) In the description code, XXXX stands for the cable length in mm. Standard lengths are 0300, 0600, 1000, 1500 and 2000. See respective chapters for more details on connectors technical characteristics.
- 3) Versions with earth contact are available. It will be connected to pole 5 of M12 connector. See cable specifications on pages 3-10 and 5-11
- 4) The LED, when it is supplied, is only on the female side

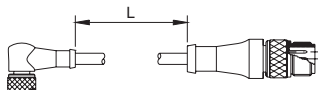
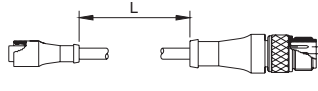
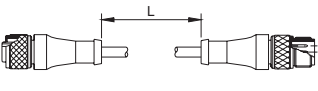
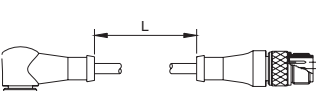
SIMPLE EXTENSION CORDS

Characteristics									Description code								
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI 20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
			300	250					2	●	CA11	02A	00	409	XXXX	00	RDL
300	250						2	●	CA11	02A	00	429	XXXX	00	RDL	0	
36	30		●	●			2	●	CA11	23A	2R	409	XXXX	00	RDL	0	
36	30		●	●			2	●	CA11	23A	2R	429	XXXX	00	RDL	0	
36	30						2+1	●	CA11	02A	00	410	XXXX	00	RDL	0	
36	30						2+1	●	CA11	02A	00	443	XXXX	00	RDL	0	
36	30		●	●			2+1	●	CA11	23A	2R	410	XXXX	00	RDL	0	
36	30		●	●			2+1	●	CA11	23A	2R	443	XXXX	00	RDL	0	
	300	250					2	●	CE11	02A	00	409	XXXX	00	RDL	0	
	300	250					2	●	CE11	02A	00	429	XXXX	00	RDL	0	
	36	30	●	●			2	●	CE11	23A	2R	409	XXXX	00	RDL	0	
	36	30	●	●			2	●	CE11	23A	2R	429	XXXX	00	RDL	0	
	36	30					2+1	●	CE11	02A	00	410	XXXX	00	RDL	0	
	36	30					2+1	●	CE11	02A	00	443	XXXX	00	RDL	0	
	36	30	●	●			2+1	●	CE11	23A	2R	410	XXXX	00	RDL	0	
	36	30	●	●			2+1	●	CE11	23A	2R	443	XXXX	00	RDL	0	
	300	250					2	●	CF11	02A	00	409	XXXX	00	RDL	0	
	300	250					2	●	CF11	02A	00	429	XXXX	00	RDL	0	
	36	30	●	●			2	●	CF11	23A	2R	409	XXXX	00	RDL	0	
	36	30	●	●			2	●	CF11	23A	2R	429	XXXX	00	RDL	0	
	36	30					2+1	●	CF11	02A	00	410	XXXX	00	RDL	0	
	36	30					2+1	●	CF11	02A	00	443	XXXX	00	RDL	0	
	36	30	●	●			2+1	●	CF11	23A	2R	410	XXXX	00	RDL	0	
	36	30	●	●			2+1	●	CF11	23A	2R	443	XXXX	00	RDL	0	
	300	250					2	●	CL11	02A	00	409	XXXX	00	RDL	0	
	300	250					2	●	CL11	02A	00	429	XXXX	00	RDL	0	
	36	30	●	●			2	●	CL11	23A	2R	409	XXXX	00	RDL	0	
	36	30	●	●			2	●	CL11	23A	2R	429	XXXX	00	RDL	0	
	36	30					2+1	●	CL11	02A	00	410	XXXX	00	RDL	0	
	36	30					2+1	●	CL11	02A	00	443	XXXX	00	RDL	0	
	36	30	●	●			2+1	●	CL11	23A	2R	410	XXXX	00	RDL	0	
	36	30	●	●			2+1	●	CL11	23A	2R	443	XXXX	00	RDL	0	

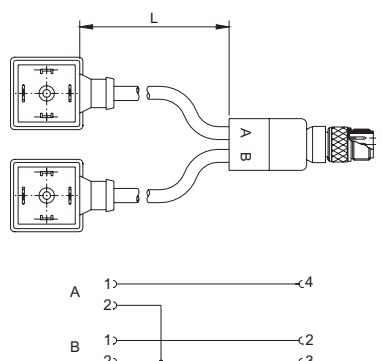
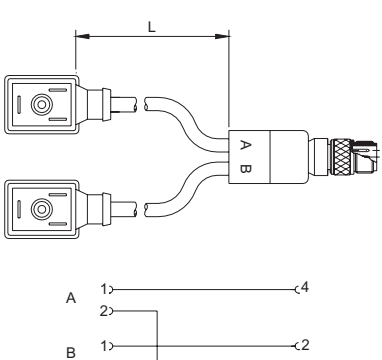
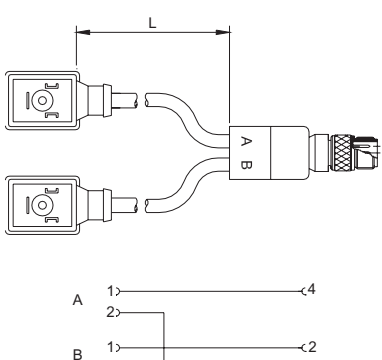
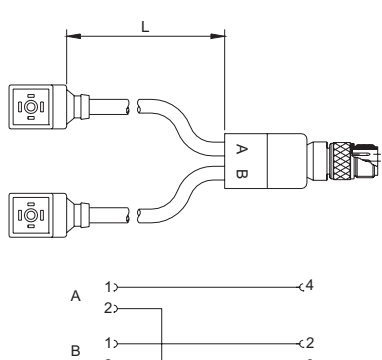
SIMPLE EXTENSION CORDS

Characteristics								Description code									
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI 20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
		300	250				2	●		CN11	02A	00	409	XXXX	00	RDL	0
		300	250				2	●		CN11	02A	00	429	XXXX	00	RDL	0
		36	30	●	●		2	●		CN11	23A	2R	409	XXXX	00	RDL	0
		36	30	●	●		2	●		CN11	23A	2R	429	XXXX	00	RDL	0
		36	30				2+1	●		CN11	02A	00	410	XXXX	00	RDL	0
		36	30				2+1	●		CN11	02A	00	443	XXXX	00	RDL	0
		36	30	●	●		2+1	●		CN11	23A	2R	410	XXXX	00	RDL	0
		36	30	●	●		2+1	●		CN11	23A	2R	443	XXXX	00	RDL	0
		75	60				3	●		RELF	003	00	225	XXXX	00	REL	0
		75	60				3	●		RELF	003	00	245	XXXX	00	REL	0
		75	60				3	●		RELF	003	00	225	XXXX	00	RDL	0
		75	60				3	●		RELF	003	00	245	XXXX	00	RDL	0
		75	60				3	●		REMF	003	00	225	XXXX	00	REL	0
		75	60				3	●		REMF	003	00	245	XXXX	00	REL	0
		30	--	●	1		3	●		REMF	613	00	225	XXXX	00	REL	0
		30	--	●	1		3	●		REMF	613	00	245	XXXX	00	REL	0

SIMPLE EXTENSION CORDS

Characteristics								Description code									
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI/20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
 <p>1 > < 1 3 > < 3 4 > < 4</p>		75	60				3	●		REMF	003	00	225	XXXX	00	RDL	0
		75	60				3	●		REMF	003	00	245	XXXX	00	RDL	0
		30	--		●	1	3	●		REMF	613	00	225	XXXX	00	RDL	0
		30	--		●	1	3	●		REMF	613	00	245	XXXX	00	RDL	0
 <p>1 > < 1 3 > < 3 4 > < 4</p>		75	60				3	●		RENF	003	00	225	XXXX	00	RDL	0
		75	60				3	●		RENF	003	00	245	XXXX	00	RDL	0
 <p>1 > < 1 1 > < 1 1 > < 1 3 > < 3 2 > < 2 2 > < 2 4 > < 4 3 > < 3 3 > < 3 4 > < 4 4 > < 4 5 > < 5</p>		300	250				3	●		RDLF	003	00	321	XXXX	00	RDL	0
		300	250				3	●		RDLF	003	00	341	XXXX	00	RDL	0
		300	250				4	●		RDLF	004	00	322	XXXX	00	RDL	0
		300	250				4	●		RDLF	004	00	342	XXXX	00	RDL	0
		36	30				5	●		RDLF	005	00	221	XXXX	00	RDL	0
		36	30				5	●		RDLF	005	00	241	XXXX	00	RDL	0
 <p>1 > < 1 1 > < 1 1 > < 1 3 > < 3 2 > < 2 2 > < 2 4 > < 4 3 > < 3 3 > < 3 4 > < 4 4 > < 4 5 > < 5</p>		300	250				4	●		RDMF	004	00	322	XXXX	00	RDL	0
		300	250				4	●		RDMF	004	00	342	XXXX	00	RDL	0
		36	30				5	●		RDMF	005	00	221	XXXX	00	RDL	0
		36	30				5	●		RDMF	005	00	241	XXXX	00	RDL	0
		30	--		●	1	3	●		RDMF	613	00	321	XXXX	00	RDL	0
		30	--		●	1	3	●		RDMF	613	00	341	XXXX	00	RDL	0
		30	--		●	1	4	●		RDMF	614	00	322	XXXX	00	RDL	0
		30	--		●	1	4	●		RDMF	614	00	342	XXXX	00	RDL	0

"Y" EXTENSION CORDS

Characteristics								Description code									
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI 20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
	300	250					2	●	CA11	02A	00	409	XXXX	00	RPL	2	
	300	250					2	●	CA11	02A	00	429	XXXX	00	RPL	2	
	36	30	●	●			2	●	CA11	23A	2R	409	XXXX	00	RPL	2	
	36	30	●	●			2	●	CA11	23A	2R	429	XXXX	00	RPL	2	
	36	30					2+1	●	CA11	02A	00	410	XXXX	00	RPL	2	
	36	30					2+1	●	CA11	02A	00	443	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CA11	23A	2R	410	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CA11	23A	2R	443	XXXX	00	RPL	2	
	300	250					2	●	CE11	02A	00	409	XXXX	00	RPL	2	
	300	250					2	●	CE11	02A	00	429	XXXX	00	RPL	2	
	36	30	●	●			2	●	CE11	23A	2R	409	XXXX	00	RPL	2	
	36	30	●	●			2	●	CE11	23A	2R	429	XXXX	00	RPL	2	
	36	30					2+1	●	CE11	02A	00	410	XXXX	00	RPL	2	
	36	30					2+1	●	CE11	02A	00	443	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CE11	23A	2R	410	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CE11	23A	2R	443	XXXX	00	RPL	2	
	300	250					2	●	CF11	02A	00	409	XXXX	00	RPL	2	
	300	250					2	●	CF11	02A	00	429	XXXX	00	RPL	2	
	36	30	●	●			2	●	CF11	23A	2R	409	XXXX	00	RPL	2	
	36	30	●	●			2	●	CF11	23A	2R	429	XXXX	00	RPL	2	
	36	30					2+1	●	CF11	02A	00	410	XXXX	00	RPL	2	
	36	30					2+1	●	CF11	02A	00	443	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CF11	23A	2R	410	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CF11	23A	2R	443	XXXX	00	RPL	2	
	300	250					2	●	CL11	02A	00	409	XXXX	00	RPL	2	
	300	250					2	●	CL11	02A	00	429	XXXX	00	RPL	2	
	36	30	●	●			2	●	CL11	23A	2R	409	XXXX	00	RPL	2	
	36	30	●	●			2	●	CL11	23A	2R	429	XXXX	00	RPL	2	
	36	30					2+1	●	CL11	02A	00	410	XXXX	00	RPL	2	
	36	30					2+1	●	CL11	02A	00	443	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CL11	23A	2R	410	XXXX	00	RPL	2	
	36	30	●	●			2+1	●	CL11	23A	2R	443	XXXX	00	RPL	2	

"Y" EXTENSION CORDS

Characteristics								Description code									
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI 20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
			300	250					2	●	CN11	02A	00	409	XXXX	00	RPL
300	250						2	●	CN11	02A	00	429	XXXX	00	RPL	2	
36	30		●	●			2	●	CN11	23A	2R	409	XXXX	00	RPL	2	
36	30		●	●			2	●	CN11	23A	2R	429	XXXX	00	RPL	2	
36	30						2+1	●	CN11	02A	00	410	XXXX	00	RPL	2	
36	30						2+1	●	CN11	02A	00	443	XXXX	00	RPL	2	
36	30		●	●			2+1	●	CN11	23A	2R	410	XXXX	00	RPL	2	
36	30		●	●			2+1	●	CN11	23A	2R	443	XXXX	00	RPL	2	
	75	60					3	●	RELF	003	00	321	XXXX	00	RPL	2	
	75	60					3	●	RELF	003	00	341	XXXX	00	RPL	2	
	75	60					3	●	REMF	003	00	321	XXXX	00	RPL	2	
	75	60					3	●	REMF	003	00	341	XXXX	00	RPL	2	
	30	-	●	1			3	●	REMF	613	00	321	XXXX	00	RPL	2	
	30	-	●	1			3	●	REMF	613	00	341	XXXX	00	RPL	2	
	300	250					3	●	RDLF	003	00	321	XXXX	00	RPL	2	
	300	250					3	●	RDLF	003	00	341	XXXX	00	RPL	2	

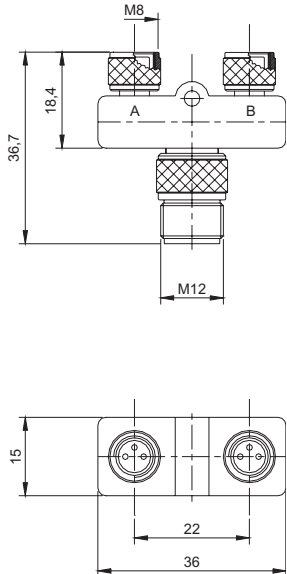
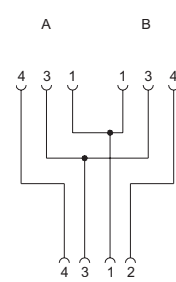
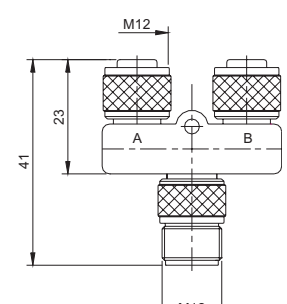
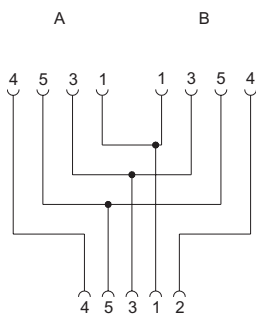
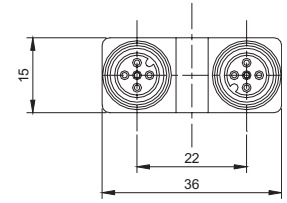
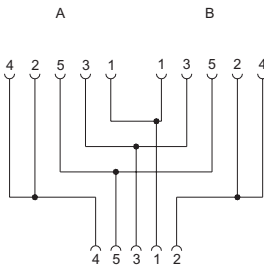
"Y" EXTENSION CORDS

Characteristics								Description code									
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI 20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
		300	250				3	●		RDMF	003	00	321	XXXX	00	RPL	2
		300	250				3	●		RDMF	003	00	341	XXXX	00	RPL	2
		30	--		●	1	3	●		RDMF	613	00	321	XXXX	00	RPL	2
		30	--		●	1	3	●		RDMF	613	00	341	XXXX	00	RPL	2
		300	250				3	●		RDLF	003	00	321	XXXX	00	RPM	2
		300	250				3	●		RDLF	003	00	341	XXXX	00	RPM	2
		300	250				3	●		RDMF	003	00	321	XXXX	00	RPM	2
		300	250				3	●		RDMF	003	00	341	XXXX	00	RPM	2
		30	--		●	1	3	●		RDMF	613	00	321	XXXX	00	RPM	2
		30	--		●	1	3	●		RDMF	613	00	341	XXXX	00	RPM	2

"L" EXTENSION CORDS

Characteristics									Description code								
Female	Male	Max Voltage (V dc)	Max Voltage (V ac)	Varistor	Supply LED (4)	Signal LED (pnp) (4)	Poles number	Cable PVC CEI 20-22 II	Cable PUR / PVC	Female	Circuit (1)	Variant A	Cable (3)	Cable length L (2)	Version	Male	Variant B
				300	250				2	●		CA21	02A	00	421	XXXX	00
300	250						2	●		CA21	02A	00	441	XXXX	00	RDL	0
36	30			●	●		2	●		CA21	23A	2R	421	XXXX	00	RDL	0
36	30			●	●		2	●		CA21	23A	2R	441	XXXX	00	RDL	0
36	30						2+1	●		CA21	02A	00	422	XXXX	00	RDL	0
36	30						2+1	●		CA21	02A	00	442	XXXX	00	RDL	0
36	30			●	●		2+1	●		CA21	23A	2R	422	XXXX	00	RDL	0
36	30			●	●		2+1	●		CA21	23A	2R	442	XXXX	00	RDL	0
		300	250				2	●		CE21	02A	00	421	XXXX	00	RDL	0
		300	250				2	●		CE21	02A	00	441	XXXX	00	RDL	0
		36	30	●	●		2	●		CE21	23A	2R	421	XXXX	00	RDL	0
		36	30	●	●		2	●		CE21	23A	2R	441	XXXX	00	RDL	0
		36	30				2+1	●		CE21	02A	00	422	XXXX	00	RDL	0
		36	30				2+1	●		CE21	02A	00	442	XXXX	00	RDL	0
		36	30	●	●		2+1	●		CE21	23A	2R	422	XXXX	00	RDL	0
		36	30	●	●		2+1	●		CE21	23A	2R	442	XXXX	00	RDL	0
		300	250				2	●		CF21	02A	00	421	XXXX	00	RDL	0
		300	250				2	●		CF21	02A	00	441	XXXX	00	RDL	0
		36	30	●	●		2	●		CF21	23A	2R	421	XXXX	00	RDL	0
		36	30	●	●		2	●		CF21	23A	2R	441	XXXX	00	RDL	0
		36	30				2+1	●		CF21	02A	00	422	XXXX	00	RDL	0
		36	30				2+1	●		CF21	02A	00	442	XXXX	00	RDL	0
		36	30	●	●		2+1	●		CF21	23A	2R	422	XXXX	00	RDL	0
		36	30	●	●		2+1	●		CF21	23A	2R	442	XXXX	00	RDL	0

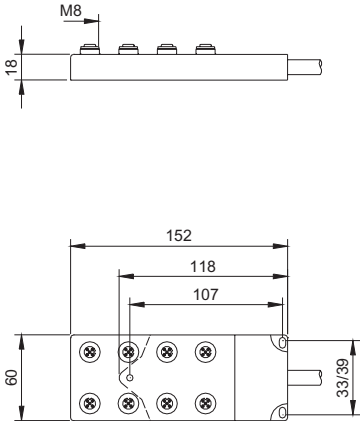
2 WAYS DISTRIBUTORS

Characteristics		Code
<p>1 M12 male, 2 M8 female</p> 		<p>SCA2 003 00</p>
<p>1 M12 male, 2 M12 female</p> 		<p>SCB2 103 00</p>
		<p>SCB2 005 00</p>

4, 6 AND 8 WAYS DISTRIBUTION BOXES

		Characteristics							Description code									
Output	Input	Max Voltage (V dc)	Max Voltage (V ac)	Input poles	Supply LED (4)	Signal LED (pnp) (4)	Poles per output	Cable PVC CEI 20-22 II	Cable PUR	Basic box	Output ways	Circuit (1)	Variant A	Cable (3)	Cable length L	Version	Male	Variant B
<p>Input with pin terminals. LEDs are near each port. PNP connection. See circuits on page 6-12</p>		75	60	7			3+1			SCE	4	103	01					
		75	60	11			4+1			SCE	4	104	01					
		36	30	7	●	●	3+1			SCE	4	713	01					
		36	30	11	●	●	4+1			SCE	4	714	01					
		75	60	9			3+1			SCE	6	103	01					
		75	60	15			4+1			SCE	6	104	01					
		36	30	9	●	●	3+1			SCE	6	713	01					
		36	30	15	●	●	4+1			SCE	6	714	01					
		75	60	11			3+1			SCE	8	103	01					
		75	60	21			4+1			SCE	8	104	01					
		36	30	11	●	●	3+1			SCE	8	713	01					
		36	30	21	●	●	4+1			SCE	8	714	01					
<p>Input with cable. LEDs are near each port. PNP connection. See circuits on page 6-12.</p>		125	110	7			3+1	●	SCM	4	103	01	801	5000	00			
		125	110	11			4+1		●	SCM	4	104	01	803	5000	00		
		36	30	7	●	●	3+1		●	SCM	4	713	01	801	5000	00		
		36	30	11	●	●	4+1		●	SCM	4	714	01	803	5000	00		
		125	110	9			3+1		●	SCM	6	103	01	802	5000	00		
		125	110	15			4+1		●	SCM	6	104	01	804	5000	00		
		36	30	9	●	●	3+1		●	SCM	6	713	01	802	5000	00		
		36	30	15	●	●	4+1		●	SCM	6	714	01	804	5000	00		
		125	110	11			3+1		●	SCM	8	103	01	803	5000	00		
		125	110	19			4+1		●	SCM	8	104	01	805	5000	00		
		36	30	11	●	●	3+1		●	SCM	8	713	01	803	5000	00		
		36	30	19	●	●	4+1		●	SCM	8	714	01	805	5000	00		

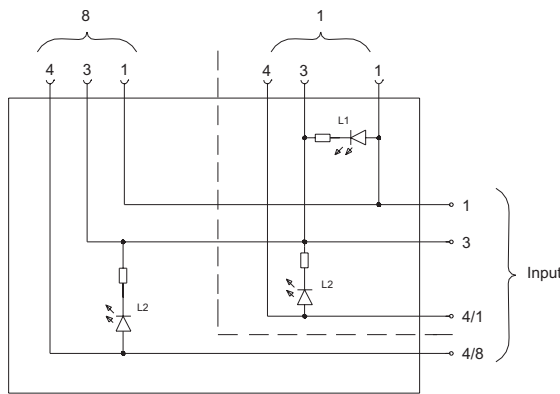
4, 6 AND 8 WAYS DISTRIBUTION BOXES

Characteristics								Description code										
Output	Input	Max Voltage (V dc)	Max Voltage (V ac)	Input poles	Supply LED (4)	Signal LED (pnp) (4)	Poles per output	Cable PVC CEI 20-22 II	Cable PUR	Basic box	Output ways	Circuit (1)	Variant A	Cable (3)	Cable length L	Version	Male	Variant B
		36	30	6	●	●	3		●	SPM	4	613	01	345	5000	00		
		36	30	10	●	●	3		●	SPM	8	613	01	806	5000	00		

Input with cable.
LEDs are near each port. PNP connection.
See circuits on page 6-12.

4, 6 AND 8 WAYS DISTRIBUTION BOXES CIRCUITS

613
With led

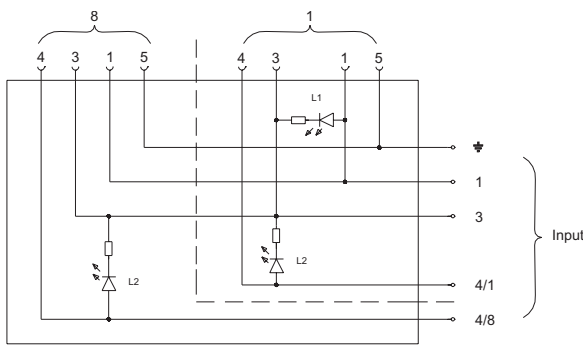


- Wires colour**
- earth = yellow/green
 - 1 = brown
 - 3 = blue
 - 4/1 = white
 - 4/2 = green
 - 4/3 = yellow
 - 4/4 = grey
 - 4/5 = pink
 - 4/6 = red
 - 4/7 = black
 - 4/8 = violet
 - 2/1 = grey/pink
 - 2/2 = red/blue
 - 2/3 = white/green
 - 2/4 = brown/green
 - 2/5 = white/yellow
 - 2/6 = yellow/brown
 - 2/7 = white/grey
 - 2/8 = grey/brown

- Leds colour**
- L1 = green
 - L2 = yellow

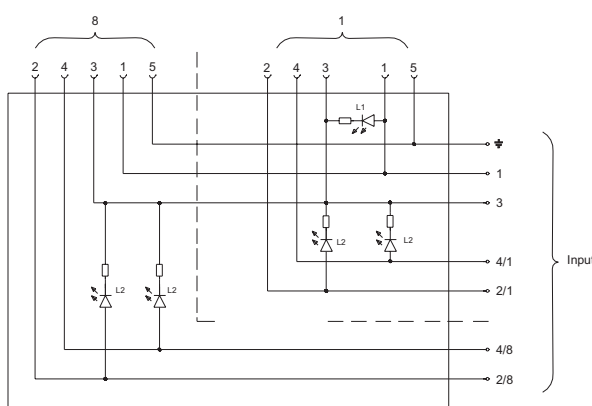
713
With led

103
Without led



714
With led

104
Without led



DISTRIBUTION BOXES

CABLES

Cable code	Material	Wires	Section mm ²	AWG size	Suitable for power chain (copper class 6)	Sheath colour RAL	Wires colour	External diameter mm	Temperature °C	
									Mobile laying	Fixed laying
345	PUR/PVC	6	0,34 (42 x 0,10)	22	●	bk	DIN 4700	6,0	-15...+90	-25...+90
801	PUR Halogen free	2+1	0,75 (96 x 0,10)	18	●	grey	bn,bu,y/g DIN 4700	8,4	-25...+90	-40...+90
		4	0,34 (42 x 0,10)	22						
802	PUR Halogen free	2+1	0,75 (96 x 0,10)	18	●	grey	bn,bu,y/g DIN 4700	9,0	-25...+90	-40...+90
		6	0,34 (42 x 0,10)	22						
803	PUR Halogen free	2+1	0,75 (96 x 0,10)	18	●	grey	bn,bu,y/g DIN 4700	9,0	-25...+90	-40...+90
		8	0,34 (42 x 0,10)	22						
804	PUR Halogen free	2+1	0,75 (96 x 0,10)	18	●	grey	bn,bu,y/g DIN 4700	9,8	-25...+90	-40...+90
		12	0,34 (42 x 0,10)	22						
805	PUR Halogen free	2+1	0,75 (96 x 0,10)	18	●	grey	bn,bu,y/g DIN 4700	10,7	-25...+90	-40...+90
		16	0,34 (42 x 0,10)	22						
813	PUR Halogen free	2	0,75 (96 x 0,10)	18	●	grey	bn,bu DIN 4700	9,0	-25...+90	-40...+90
		8	0,34 (42 x 0,10)	22						