Content

BUSBAR-L

Technical Data

General information

The busbar-L system is a reliable interconnection of installation devices. No need for cutting, deburing or placing end-caps since they are already made on lenght and are fully isolated. This means in general a time saving up to 30% on making the busbars suited for the installation devices. There are all kinds of accessoires available to make installation more suitable for the situation at hand.

Type key

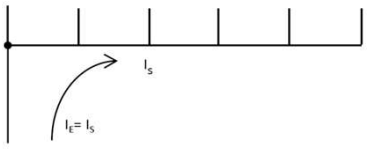
Type	*Special*	*Phases*	*Spacing*	*No. Poles*		*Colour*	*Offset*	*Size*
F	0	4	0	1	2	G	5	6
P=PIN F=FORK	0 = standard 1 = R80M*	1 = 1 phase 2 = 2 phase 3 = 3 phase 4 = 4 phase	0=17,6mm2 1=35,6mm2	2 digits for no. Poles		B = Blue G = Grey	0 = none 1 = 5mm 2 = M80N* 5 = 3+N (left)	0 = none 6 = M6

** versions suitable for GACIA components*

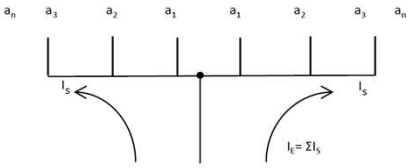
Technical details

BUSBARS CAN NOT BE CUT ON LENGTH

Regulations	DIN EN 60439-1|2000-08	
According	IEC 664	
Busbar material	E-Cu-ETP	
Isolation material	Ultramid PA6 glass fiber reinforced	
Form test	125ºC (after 1,8MPa)	
Glow wire test	960º according IEC 60895-2-12	
Flammability	Class V2	
Comparative tracking index	550	
Short circuit strength (Icc)	25kA / 100A gl	
Disruptive strength	36kV / mm	
Climate stability	IEC 68-2	
Operating voltage	500V AC	
Surge voltage (Uimp)	4kV	
Isolation group	According VDE 0110 Teil 1	
Overvoltage category	III	
Degree of soiling	2	
Halogen free	According DIN EN 50267-2-2	
Colours	related to RAL7035 and RAL5012	
Busbar cross-section	10mm2	
Busbar max. current (Is)	63A	one side line-in
Busbar max. current (Is)	100A*	central line-in



ONE SIDE LINE-IN



CENTRAL LINE-IN

* The Is is rated on an equal devided demand on both sides of the feeding-main (line-in) of the busbar the sum of the equal devided output current can not be higher than the busbar current (Is)

Certification mark

CE DECLARATION

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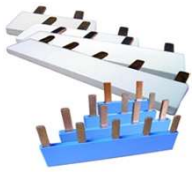
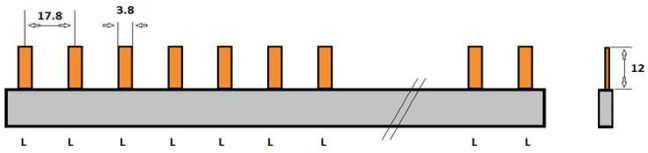
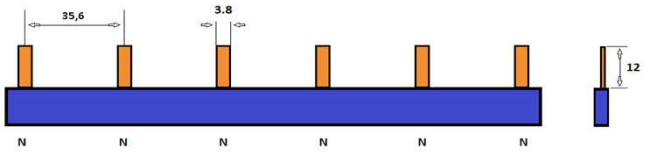
Phases	:1	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:0





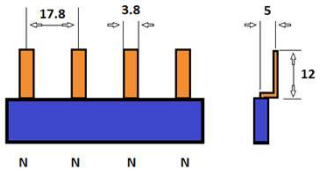
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305101002	P01002G00		3639	10	63	1	2	17,8	30	0,005	10/5760
2305101003	P01003G00		3653	10	63	1	3	17,8	45	0,008	10/3840
2305101004	P01004G00		3677	10	63	1	4	17,8	64	0,011	10/2880
2305101005	P01005G00		3707	10	63	1	5	17,8	79	0,014	10/2160
2305101006	P01006G00		3745	10	63	1	6	17,8	103	0,017	10/1680
2305101007	P01007G00		6395	10	63	1	7	17,8	121	0,020	10/1400
2305101008	P01008G00		3752	10	63	1	8	17,8	139	0,023	10/1120
2305101009	P01009G00		3769	10	63	1	9	17,8	156	0,026	10/1120
2305101010	P01010G00		6401	10	63	1	10	17,8	172	0,029	10/960
2305101011	P01011G00		6418	10	63	1	11	17,8	189	0,032	10/960
2305101012	P01012G00		3776	10	63	1	12	17,8	206	0,036	10/700
2305101013	P01013G00		3783	10	63	1	13	17,8	224	0,038	10/700
2305101902	P01002B00		3646	10	63	1	2	17,8	30	0,005	10/5760
2305101903	P01003B00		3660	10	63	1	3	17,8	45	0,008	10/3840
2305101904	P01004B00		3684	10	63	1	4	17,8	64	0,011	10/2880
2305101905	P01005B00		3714	10	63	1	5	17,8	79	0,014	10/2160
2305101906	P01006B00		3790	10	63	1	6	17,8	103	0,017	10/1680
2305101907	P01007B00		6425	10	63	1	7	17,8	121	0,020	10/1400
2305101908	P01008B00		3806	10	63	1	8	17,8	139	0,023	10/1120
2305101909	P01009B00		3813	10	63	1	9	17,8	156	0,026	10/1120
2305101910	P01010B00		6432	10	63	1	10	17,8	172	0,029	10/960
2305101911	P01011B00		6449	10	63	1	11	17,8	189	0,032	10/960
2305101912	P01012B00		3820	10	63	1	12	17,8	206	0,036	10/700
2305101913	P01013B00		3837	10	63	1	13	17,8	224	0,038	10/700

Phases	:1	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:0



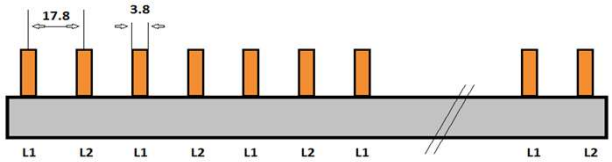
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305171002	P01102G00		6456	10	63	1	2	35,6	45	0,007	10/2160
2305171003	P01103G00		6463	10	63	1	3	35,6	84	0,013	10/1960
2305171004	P01104G00		6470	10	63	1	4	35,6	121	0,018	10/1400
2305171005	P01105G00		6487	10	63	1	5	35,6	156	0,023	10/1120
2305171006	P01106G00		6494	10	63	1	6	35,6	189	0,028	10/960
2305171902	P01102B00		6500	10	63	1	2	35,6	45	0,007	10/2160
2305171903	P01103B00		6517	10	63	1	3	35,6	84	0,013	10/1960
2305171904	P01104B00		6524	10	63	1	4	35,6	121	0,018	10/1400
2305171905	P01105B00		6531	10	63	1	5	35,6	156	0,023	10/1120
2305171906	P01106B00		6548	10	63	1	6	35,6	189	0,028	10/960

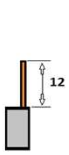
Phases	:1	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:5mm



Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305101992	P01002B10		6814	10	63	1	2	17,8	30	0,005	10/5760
2305101993	P01003B10		6821	10	63	1	3	17,8	45	0,008	10/3840
2305101994	P01004B10		3691	10	63	1	4	17,8	64	0,011	10/2880
2305101995	P01005B10		6838	10	63	1	5	17,8	79	0,015	10/2160
2305101996	P01006B10		6845	10	63	1	6	17,8	103	0,018	10/1680

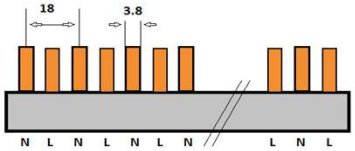
Phases	:2	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:0

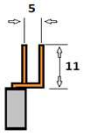




Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305102004	P02004G00		3844	10	63	2	4	17,8	72	0,017	10/1280
2305102006	P02006G00		3851	10	63	2	6	17,8	104	0,028	10/960
2305102008	P02008G00		3868	10	63	2	8	17,8	139	0,038	10/640
2305102010	P02010G00		3875	10	63	2	10	17,8	174	0,050	10/500
2305102012	P02012G00		3882	10	63	2	12	17,8	210	0,061	10/400
2305102014	P02014G00		3899	10	63	2	14	17,8	248	0,072	10/400
2305102016	P02016G00		3905	10	63	2	16	17,8	286	0,082	10/320
2305102018	P02018G00		3912	10	63	2	18	17,8	324	0,095	10/320

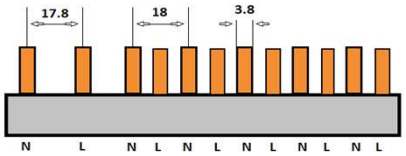
Phases	:2	Usages	:Isolated busbar for MCBs 1p+n (1 Modul)
Type	:PIN	Offset	:5

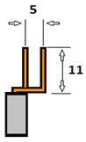




Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305122908	P02008G20		3561	10	63	2	8	9/17,8	72	0,024	10/960
2305122910	P02010G20		3929	10	63	2	10	9/17,8	89	0,031	10/840
2350122924	P02024G20		3936	10	63	2	24	9/17,8	221	0,077	10/280

Phases	:2	Usages	:RCCB + MCB's 1p+n 1MOD (GACIA RCCB type R80M - MCB type M80N)
Type	:PIN	Offset	:5





Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305192006	P12006G20		4421	10	63	2	6	17,8/9	72	0,021	12/1152
2305192008	P12008G20		4438	10	63	2	8	17,8/9	88	0,027	12/840
2305192010	P12010G20		4445	10	63	2	10	17,8/9	103	0,032	12/864
2350192012	P12012G20		4452	10	63	2	12	17,8/9	122	0,039	12/672

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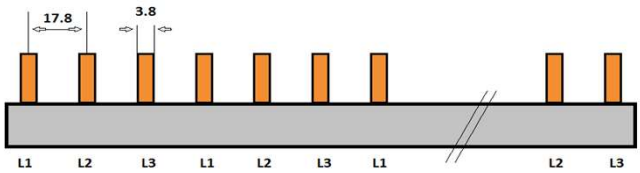
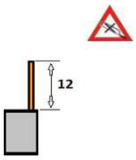
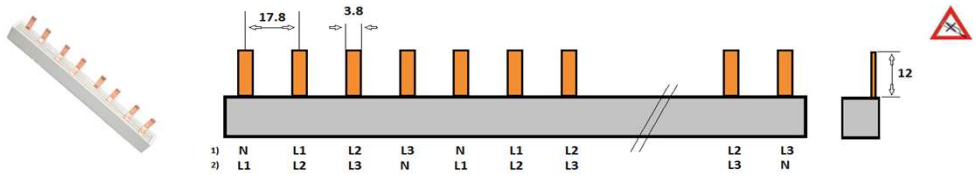
Phases	:3	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:0





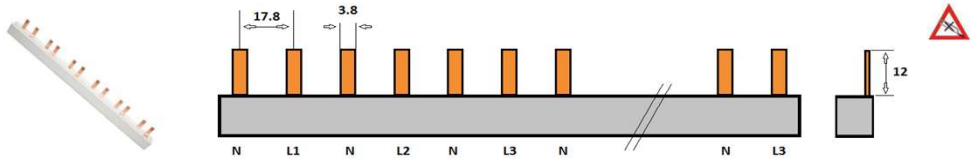
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305103006	P03006G00		3943	10	63	3	6	17,8	107	0,033	10/720
2305103009	P03009G00		3950	10	63	3	9	17,8	160	0,056	10/480
2305103012	P03012G00		3967	10	63	3	12	17,8	211	0,078	10/300
2305103015	P03015G00		3974	10	63	3	15	17,8	267	0,102	10/240
2305103018	P03018G00		3981	10	63	3	18	17,8	317	0,125	10/240

Phases	:4	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:0



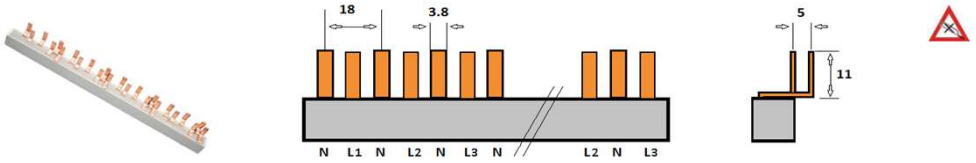
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305104008	P04008G00		3998	10	63	4	8	17,8	140	0,054	10/390
2305104012	P04012G00		4001	10	63	4	12	17,8	211	0,093	10/240
2305104016	P04016G00		4018	10	63	4	16	17,8	284	0,133	10/180

Phases	:3+N (N-L1-N-L2-N-L3)	Usages	:Isolated busbar for MCBs
Type	:PIN	Offset	:0



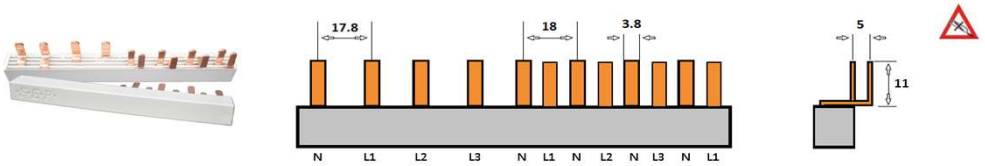
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305105012	P04012G50		4025	10	63	4	12	17,8	211	0,086	10/240
2305105018	P04018G50		4049	10	63	4	12	17,8	317	0,144	10/170

Phases	:3+N (N-L1-N-L2-N-L3)	Usages	:Isolated busbar for MCBs 1p+n (1 Modul)
Type	:PIN	Offset	:5



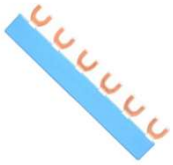
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305142924	P04024G20		6555	10	63	4	24	17,8/9	220	0,117	10/160

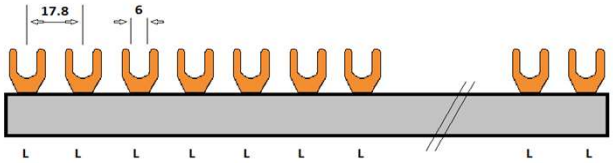
Phases	:3+N	Usages	:RCCB + MCB's 1p+n 1MOD (GACIA RCCB type R80M - MCB type M80N)
Type	:PIN	Offset	:5

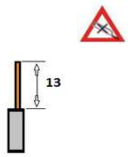


Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305194012	P14012G20		4469	10	63	4	12	17,8/9	141	0,064	10/300

Phases	:1	Usages	:Isolated busbar for MCBs
Type	:FORK M6	Offset	:0

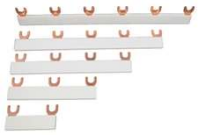


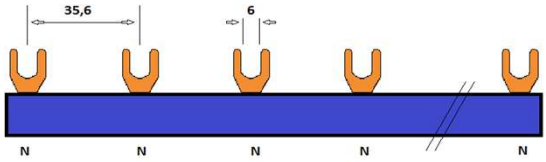


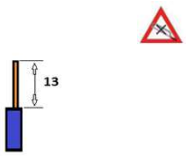


Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305111002	F01002G06		4056	10	63	1	2	17,8	30	0,006	10/5760
2305111003	F01003G06		4063	10	63	1	3	17,8	45	0,009	10/3840
2305111004	F01004G06		4070	10	63	1	4	17,8	64	0,012	10/2880
2305111005	F01005G06		4087	10	63	1	5	17,8	79	0,016	10/2160
2305111006	F01006G06		4094	10	63	1	6	17,8	103	0,018	10/1680
2305111007	F01007G06		6562	10	63	1	7	17,8	121	0,022	10/1400
2305111008	F01008G06		4100	10	63	1	8	17,8	139	0,025	10/1120
2305111009	F01009G06		4117	10	63	1	9	17,8	156	0,029	10/1120
2305111010	F01010G06		6579	10	63	1	10	17,8	172	0,033	10/960
2305111011	F01011G06		6586	10	63	1	11	17,8	189	0,035	10/960
2305111012	F01012G06		4124	10	63	1	12	17,8	206	0,039	10/700
2305111013	F01013G06		4131	10	63	1	13	17,8	224	0,043	10/700
2305111902	F01002B06		4148	10	63	1	2	17,8	30	0,006	10/5760
2305111903	F01003B06		4155	10	63	1	3	17,8	45	0,009	10/3840
2305111904	F01004B06		4162	10	63	1	4	17,8	64	0,012	10/2880
2305111905	F01005B06		4179	10	63	1	5	17,8	79	0,016	10/2160
2305111906	F01006B06		4186	10	63	1	6	17,8	103	0,018	10/1680
2305111907	F01007B06		6647	10	63	1	7	17,8	121	0,022	10/1400
2305111908	F01008B06		4193	10	63	1	8	17,8	139	0,025	10/1120
2305111909	F01009B06		6654	10	63	1	9	17,8	156	0,029	10/1120
2305111910	F01010B06		4209	10	63	1	10	17,8	172	0,033	10/960
2305111911	F01011B06		6661	10	63	1	11	17,8	189	0,035	10/960
2305111912	F01012B06		4216	10	63	1	12	17,8	206	0,039	10/700
2305111913	F01013B06		4223	10	63	1	13	17,8	224	0,043	10/700

Phases	:1	Usages	:Isolated busbar for MCBs with 1 module distance
Type	:FORK M6	Offset	:0

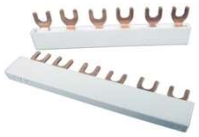


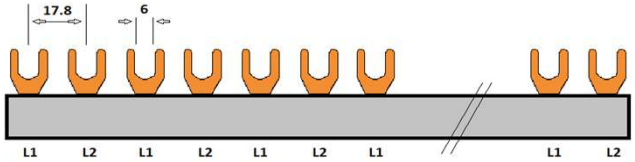


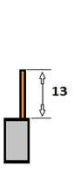


Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305181002	F01102G06		6593	10	63	1	2	35,6	45	0,008	10/2160
2305181003	F01103G06		6609	10	63	1	3	35,6	84	0,014	10/1960
2305181004	F01104G06		6616	10	63	1	4	35,6	121	0,019	10/1400
2305181005	F01105G06		6623	10	63	1	5	35,6	156	0,025	10/1120
2305181006	F01106G06		6630	10	63	1	6	35,6	189	0,031	10/960
2305181902	F01102B06		5428	10	63	1	2	35,6	45	0,008	10/2160
2305181903	F01103B06		4407	10	63	1	3	35,6	84	0,014	10/1960
2305181904	F01104B06		5442	10	63	1	4	35,6	121	0,019	10/1400
2305181905	F01105B06		5466	10	63	1	5	35,6	156	0,025	10/1120
2305181906	F01106B06		5480	10	63	1	6	35,6	189	0,031	10/960

Phases	:2	Usages	:Isolated busbar for MCBs
Type	:FORK M6	Offset	:0

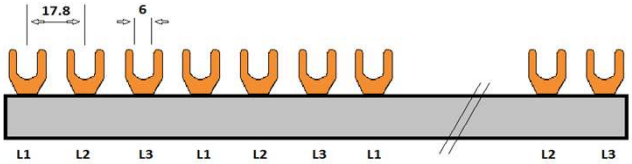






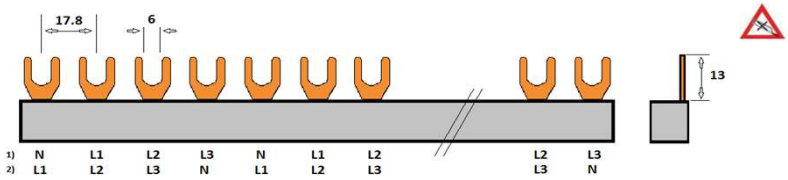
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305112004	F02004G06		4230	10	63	2	4	17,8	72	0,019	10/1280
2305112006	F02006G06		4247	10	63	2	6	17,8	104	0,031	10/960
2305112008	F02008G06		4254	10	63	2	8	17,8	139	0,042	10/640
2305112010	F02010G06		4261	10	63	2	10	17,8	174	0,055	10/500
2305112012	F02012G06		4278	10	63	2	12	17,8	210	0,066	10/400
2305112014	F02014G06		4285	10	63	2	14	17,8	248	0,079	10/400
2305112016	F02016G06		4292	10	63	2	16	17,8	286	0,091	10/320
2305112018	F02018G06		4308	10	63	2	18	17,8	324	0,103	10/320

Phases	:3	Usages	:Isolated busbar for MCBs
Type	:FORK M6	Offset	:0



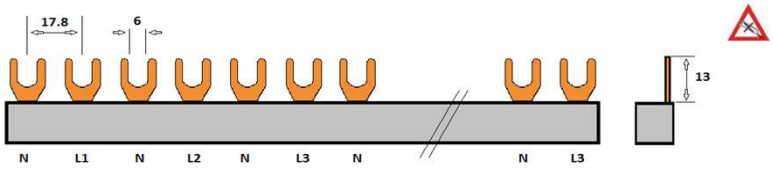
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305113006	F03006G06		4315	10	63	3	6	17,8	107	0,035	10/720
2305113009	F03009G06		4322	10	63	3	9	17,8	160	0,060	10/480
2305113012	F03012G06		4339	10	63	3	12	17,8	211	0,082	10/300
2305113015	F03015G06		4346	10	63	3	15	17,8	267	0,107	10/240
2305113018	F03018G06		4353	10	63	3	18	17,8	317	0,131	10/240

Phases	:4	Usages	:Isolated busbar for MCBs
Type	:FORK M6	Offset	:0



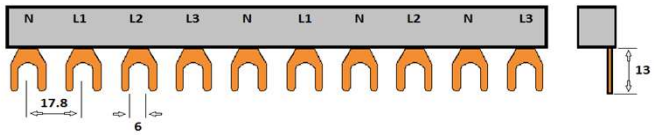
Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305114008	F04008G06		4360	10	63	4	8	17,8	140	0,058	10/390
2305114012	F04012G06		4377	10	63	4	12	17,8	211	0,099	10/240
2305114016	F04016G06		4384	10	63	4	16	17,8	284	0,138	10/180

Phases	:3+N (N-L1-N-L2-N-L3)	Usages	:Isolated busbar for MCBs
Type	:FORK M6	Offset	:0



Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305115012	F04012G56		4391	10	63	4	12	17,8	211	0,091	10/240
2305115018	F04018G56		4414	10	63	4	18	17,8	317	0,150	10/180

Phases	:4 (N,L1,L2,L3 - N,L1,N,L2,N,L3)	Usages	:Isolated busbar for MCBs
Type	:FORK M6	Offset	:0



Artikel no.	Reference [picture]	Colour	GTIN-code 871895900....	Cross section [Cu/mm²]	Nom. Current [A]	Phase [1..4]	Poles [No.]	Pitch [mm]	Length [mm]	Weight [kg/pc]	Package [unit]
2305195010	F14010G56		4483	10	63	4	10	17,8	180	0,077	10/300