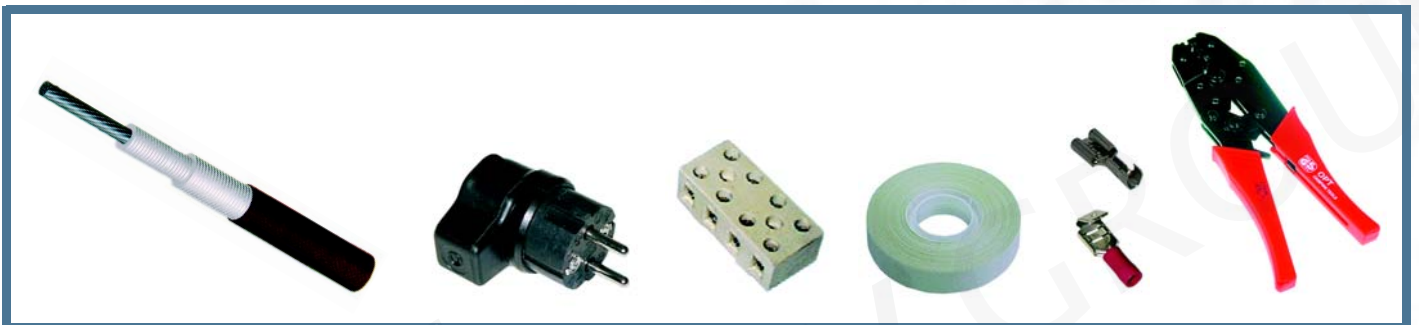




SUPPORTING MATERIAL: ELECTRICAL

Supporting material: electrical



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Lines

Lines, cables and accessories



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Plugs and couplings



page 8

Holder racks



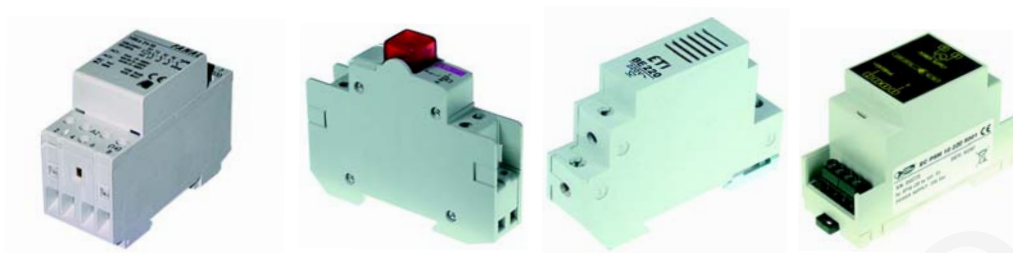
page 11

Fuses and fuse holders



page 13

Row mounted devices



page 15

page 15



Consumables

page 16



Small fuses and
small fuse holders

page 18



Isolated cable eyes

page 20



Non isolated cable eyes

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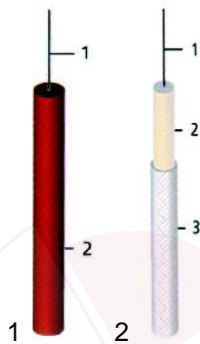
Wire end sleeves

page 22



Crimp tools

ignition cables



Technical data:

pulse voltage: 5 til 20kV
 initial voltage: 1,8/3kV
 permanent temperature:+ 180°C
 maximum temperature:+ 230°C
 structure: 1-tinned copper conductor
 2-silicone
 3-silicone impregnated glass fibre

item	order no.	Qty (m)	mm ²	colour	ø outer (mm)
1	100028	5	1	red	6,2
	102628	100	1	red	6,2
2	100027	5	0,34	white	3,0
	102627	100	0,34	white	3,0



Technical data:

rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature:+ 200°C
 maximum temperature:+ 250°C
 structure: 1-nickled copper conductor
 2-silicone
 3-silicone impregnated glass fibre

item	order no.	Qty (m)	mm ²	colour
1	550074	10	1,0	-
2	570074	100	1,0	-
3	550073	10	1,0	green/yellow
4	570073	100	1,0	green/yellow
5	550075	10	1,5	-
6	570075	100	1,5	-
7	550078	10	1,5	blue
8	570078	100	1,5	blue
9	550081	10	1,5	green/yellow
10	570081	100	2,5	green/yellow
11	550076	10	2,5	-
12	570076	100	2,5	-
13	550079	10	2,5	blue
14	570079	100	2,5	blue
15	550082	10	2,5	green/yellow
16	570082	100	2,5	green/yellow
17	550077	10	4,0	-
18	570077	100	4,0	-
19	550080	10	4,0	blue
20	570080	100	4,0	blue
21	550083	10	4,0	green/yellow
22	570083	100	4,0	green/yellow
23	550585	10	6,0	brown
24	570585	100	6,0	brown
25	550586	10	6,0	blue
26	570586	100	6,0	blue
27	550587	10	6,0	green/yellow
28	570587	100	6,0	green/yellow

copper contacts



Technical data:

rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature:+ 180°C
 maximum temperature:+ 230°C
 structure: 1-nickled copper conductor
 2-silicone

item	order no.	Qty (m)	mm ²	colour
1	550090	25	1	-
2	570090	100	1	-
3	550091	25	1,5	-
4	570091	100	1,5	-
5	550094	25	1,5	blue
6	570094	100	1,5	blue
7	550097	25	1,5	green/yellow
8	570097	100	1,5	green/yellow
9	550092	25	2,5	-
10	570092	100	2,5	-
11	550095	25	2,5	blue
12	570095	100	2,5	blue
13	550098	25	2,5	green/yellow
14	570098	100	2,5	green/yellow
15	550093	25	4,0	-
16	570093	100	4,0	-
17	550096	25	4,0	blue
18	570096	100	4,0	blue
19	550099	25	4,0	green/yellow
20	570099	100	4,0	green/yellow
21	550040	25	6,0	-
22	570040	100	6,0	-


Technical data:

rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature: + 280°C
 maximum temperature: + 350°C
 structure: 1-nickled copper conductor
 2-silicone impregnated glass fibre
 3-silicone impregnated glass fibre

item	order no.	Qty (m)	mm ²	colour
1	550084	10	1,5	-
2	570084	100	1,5	-
3	550085	10	2,5	-
4	570085	100	2,5	-
5	550086	10	4,0	-
6	570086	100	4,0	-
7	550588	10	6,0	brown
8	570588	100	6,0	brown

nickel contacts

Technical data:

rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature: + 350°C
 maximum temperature: + 400°C
 structure: 1-nickel conductor
 2-silicone impregnated glass fibre
 3-silicone impregnated glass fibre

item	order no.	Qty (m)	mm ²	colour
1	550087	10	1,5	-
2	550589	10	1,5	blue
3	570087	100	1,5	-
4	570589	100	1,5	blue
5	550088	10	2,5	-
6	550591	10	2,5	white
7	570088	100	2,5	-
8	570100	100	2,5	white
9	550089	10	4,0	-
10	570089	100	4,0	-
11	550590	10	6,0	brown
12	570590	100	6,0	brown

cooker connecting cables

Technical data:

rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature: + 70°C
 maximum temperature: + 70°C
 structure: 1-wire end sleeves on both sides
 2-blank copper conductor
 3-PVC-insulation

item	order no.	length (m)	mm ²	colour outer
1	550220	1,5	5x1,5	white
2	550221	3,0	5x1,5	white
3	550222	1,5	5x2,5	white
4	550223	3,0	5x2,5	white

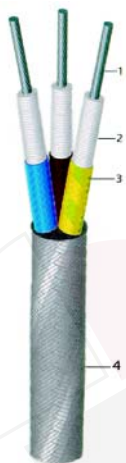
silicone cables

Technical data:

rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature: + 180°C
 maximum temperature: + 230°C
 structure: 1-copper conductor tinned
 2-silicone

item	order no.	Qty (m)	mm ²	colour outer
1	550065	25	3x1,5	red
2	570065	100	3x1,5	red
3	550066	25	5x1,5	red
4	570066	100	5x1,5	red
5	550064	25	3x2,5	red
6	570064	100	3x2,5	red
7	550067	25	5x2,5	red
8	570067	100	5x2,5	red
9	550068	25	5x4,0	red
10	570068	100	5x4,0	red

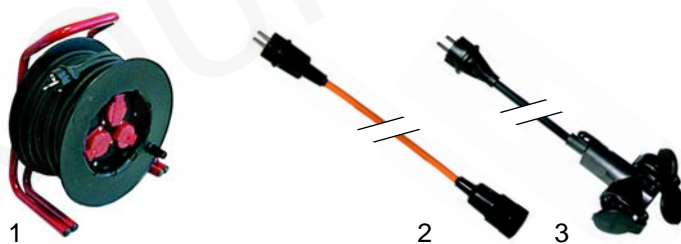
high temperature cables



Technical data:

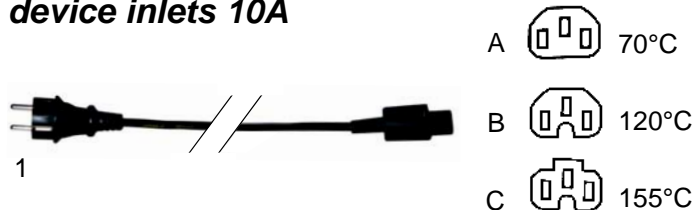
rated voltage: 300/500V
 test voltage: 2000V
 permanent temperature: + 350°C
 maximum temperature: + 450°C
 structure:
 1-nickled copper conductor
 2-silicone impregnated glass fibre
 3-silicone impregnated glass fibre
 4-silicone applied glass fibre braiding

extensions



item	order no.	cable length (m)	material	mm ²	countries
1	550428	25	rubber	3x1,5	A/D/I
2	550426	10	PUR	3x1,5	A/D/I
3	550427	5	rubber	3x1,5	A/D/I

device inlets 10A

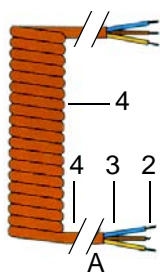


A 70°C
 B 120°C
 C 155°C

item	order no.	cable length (m)	material	mm ²	max. temperature
1A	550726	2	PVC	3x1,0	70°C
	550554	3	PVC	3x1,5	70°C
1B	550553	2	PVC	3x1,0	120°C
	550729	3	PVC	3x1,5	120°C
1C	550229	2	rubber	3x1,0	155°C
	550230	3	rubber	3x1,0	155°C
	550730	3	PVC	3x1,5	155°C

item	order no.	Qty (m)	mm ²	colour outer
1	550581	5	4x2,5	grey
2	550582	5	4x2,5	grey
3	550583	5	4x4	grey
4	550584	5	5x4	grey

spiral cables



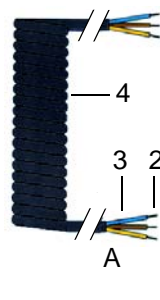
Technical data:

rated voltage: 450/750V
 test voltage: 2500V
 permanent temperature: + 70°C
 maximum temperature: + 70°C
 structure:
 1-plug with double Schuko system
 2-copper conductor blank
 3-rubber
 4-PUR

item	order no.	helical length (mm)	mm ²	countries	colour outer
A	550647	500	3x1,5	-	orange
	550430	500	5x1,5	-	orange
	550431	500	3x2,5	-	orange
	550432	500	5x2,5	-	orange
B	550101	500	3x1,5	A/D/F/I/B	orange
C	550555	500	3x1,5	A/D/F/I/B	orange

Technical data:

rated voltage: 450/750V
 test voltage: 2500V
 permanent temperature: + 70°C
 maximum temperature: + 70°C
 structure:
 1A-earthing contact plug (A/D/I)
 1B-plug with double Schuko system (B/F)
 2-blank copper conductor
 3-rubber
 4-PUR



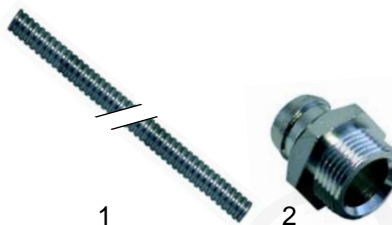
item	order no.	helical length (mm)	mm ²	countries	colour outer
A	550102	500	3x1,5	-	black
B	550100	500	3x1,5	A/D/I	black
	550731	500	3x1,5	B/F	black
C	550732	500	3x1,5 (10A)	CH	black
	550733	500	3x1,5 (16A)	CH	black

hand lamps



item	order no.	description	cable length (m)	material
1	550440	hand lamp	5	rubber
2	550441	inspection lamp	5	PVC

protective metal tubes screw connections



Technical data:

metal tube
 material: coated steel zinc
 screw connections
 material: nickled brass

item	order no.	Qty	description	inner ø (mm)	ø outer (mm)
1	550036	10m	hose PG13,5	16	19
	550044	10m	hose PG16	18	22
	550035	10m	hose PG21	23	27
2	550565	1 piece	screw connection PG13,5	-	-
	550579	1 piece	screw connection PG16	-	-
	550566	1 piece	screw connection PG21	-	-


Technical data:

material: nickled brass

item	order no.	Qty (piece)	type	for cable ø (mm)	mounting ø (mm)
1	550567	1	PG7	5,0 - 7,0	12,5
2	550302	5	PG7	5,0 - 7,0	12,5
3	550568	1	PG9	6,0 - 8,0	15,2
4	550303	5	PG9	6,0 - 8,0	15,2
5	550569	1	PG11	8,0 - 10,0	18,6
6	550304	5	PG11	8,0 - 10,0	18,6
7	550570	1	PG13,5	10,0 - 12,0	20,4
8	550305	5	PG13,5	10,0 - 12,0	20,4
9	550571	1	PG16	12,0 - 14,0	21,5
10	550306	5	PG16	12,0 - 14,0	21,5
11	550572	1	PG21	15,0 - 17,0	28,3
12	550307	5	PG21	15,0 - 17,0	28,3

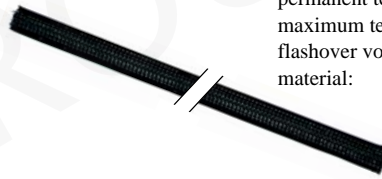


item	order no.	Qty (piece)	type	power (mm)	width A/F (mm)
1	550573	1	PG7	2,9	15
2	550320	5	PG7	2,9	15
3	550574	1	PG9	2,9	18
4	550321	5	PG9	2,9	18
5	550575	1	PG11	3,1	21
6	550322	5	PG11	3,1	21
7	550576	1	PG13,5	3,1	23
8	550323	5	PG13,5	3,1	23
9	550577	1	PG16	3,1	26
10	550324	5	PG16	3,1	26
11	550578	1	PG21	3,9	32
12	550325	5	PG21	3,9	32

terminals

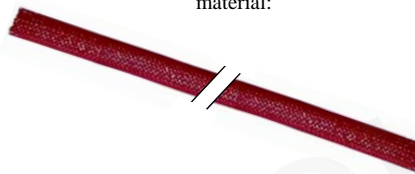

item	order no.	Qty (piece)	material	inner ø (mm)	ø mounting ø (mm)
1	550310	10	Neoprene	5	11
2	550311	10	Neoprene	6	14
3	550312	10	Neoprene	8	15
4	550313	10	Neoprene	9	16
5	550314	10	Neoprene	11	19
6	550315	10	Neoprene	12	25

insulation sleeving
Technical data:

 permanent temperature: + 450°C
 maximum temperature: + 500°C
 flashover voltage: 800V
 material: silicone impregnated glass fibre


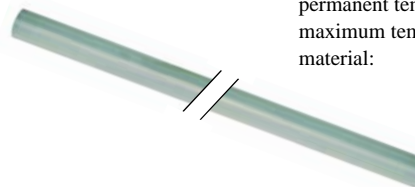
item	order no.	Qty (m)	inner ø (mm)	item	order no.	Qty (m)	inner ø (mm)
1	550050	10	6	5	550052	10	10
2	570050	100	6	6	570052	100	10
3	550051	10	8	7	550053	10	12
4	570051	100	8	8	570053	100	12

Technical data:

 permanent temperature: + 250°C
 maximum temperature: + 290°C
 flashover voltage: 3000V
 material: silicone applied glass fibre


item	order no.	Qty (m)	inner ø (mm)	item	order no.	Qty (m)	inner ø (mm)
1	550014	10	3	6	570019	100	8
2	570014	100	3	7	550016	10	12
3	550015	10	6	8	570016	100	12
4	570015	100	6	9	550017	10	16
5	550019	10	8	10	570017	100	16

Technical data:

 permanent temperature: + 200°C
 maximum temperature: + 250°C
 material: silicone 60° shore


item	order no.	Qty (m)	inner ø x thickness	item	order no.	Qty (m)	inner ø x thickness
1	100030	10	3x0,65mm	6	570032	100	6x0,9mm
2	570030	100	3x0,65mm	7	100033	10	8x1mm
3	100031	10	5x0,9mm	8	570033	100	8x1mm
4	570031	100	5x0,9mm	9	100034	10	10x1mm
5	100032	10	6x0,9mm	10	570034	50	10x1mm

heat shrink sleeving


item	order no.	Qty (m)	inner ø (mm)	ø shrunk (mm)
1	100029	5	4,8	2,4
2	100035	5	6,3	3,2

plugs 2-pole + earth



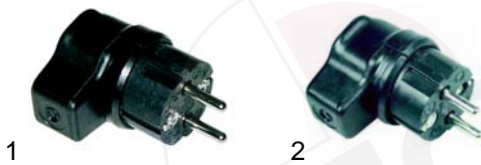
item	order no.	number of poles	limiting values	countries	material
1	550204	2-pole + earth	16A/ 250V	D/I	thermoplastic
2	550203	2-pole + earth	16A/ 250V	D/I	thermoplastic
3	550241	2-pole + earth	16A/ 250V	D/I	thermoplastic



item	order no.	number of poles	limiting values	countries	material
1	550723	2-pole + earth	16A/ 250V	D/F/B/I	thermoplastic
2	550724	2-pole + earth	16A/ 250V	D/F/B/I	thermoplastic
3	550720	2-pole + earth	10A/ 250V	I	thermoplastic



item	order no.	number of poles	limiting values	countries	material
1	550721	2-pole + earth	10A/ 250V	CH	thermoplastic
2	550722	2-pole + earth	13A/ 250V	UK	thermoplastic
3	550212	2-pole + earth	16A/ 250V	D/F/B/I	PVC



item	order no.	number of poles	limiting values	countries	material
1	550201	2-pole + earth	16A/ 250V, 3x2,5mm ²	D/I	all-rubber base
2	550719	2-pole + earth	16A/ 250V, 3x2,5mm ²	F/B	all-rubber base



item	order no.	number of poles	limiting values	countries	material
1	550713	2-pole + earth	10A/ 250V, 3x2,5mm ²	CH	all-rubber base
2	550714	2-pole + earth	16A/ 250V, 3x2,5mm ²	CH	all-rubber base
3	550246	2-pole + earth	16A/ 250V, 3x2,5mm ²	D/F/B/I	thermoplastic



item	order no.	number of poles	limiting values	countries	material
1	550200	2-pole + earth	16A/ 250V, 3x1,5mm ²	D/I	all-rubber base
2	550906	2-pole + earth	16A/ 250V, 3x1,5mm ²	F/B	all-rubber base
3	550908	2-pole + earth	16A/ 250V, 3x2,5mm ²	D/F/B/I	all-rubber base



item	order no.	number of poles	limiting values	countries	material
1	550711	2-pole + earth	10A/ 250V	CH	all-rubber base
2	550712	2-pole + earth	16A/ 250V	CH	all-rubber base

sockets outlets 2-pole + earth



item	order no.	number of poles	limiting values	countries	material
1	550526	2-pole + earth	16A/ 250V	D/I	PVC
2	550247	2-pole + earth	16A/ 250V, 3x1,5mm ²	D/I	thermoplastic
3	550202	2-pole + earth	16A/ 250V, 3x1,5mm ²	D/I	all-rubber base



item	order no.	number of poles	limiting values	countries	material
1	550717	2-pole + earth	16A/ 250V	CH	all-rubber base
2	550718	2-pole + earth	16A/ 250V	CH	all-rubber base
3	550527	3x 2-pole + earth	16A/ 250V	D/I	all-rubber base



item	order no.	number of poles	limiting values	countries	material
1	550535	2-pole + earth	16A/ 250V	D/I	thermoplastic
2	550698	2-pole + earth	16A/ 250V	F/B	thermoplastic

couplings/socket outlets 3-pole + N + earth



item	order no.	number of poles	limiting values	countries	material
1	550207	2-pole + earth	16A/ 250V	D/I	thermoplastic
2	550725	2-pole + earth	16A/ 250V	D/I	thermoplastic

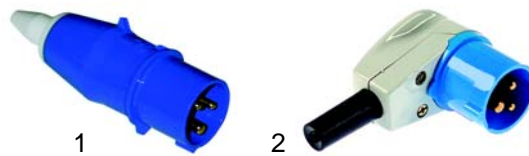


item	order no.	number of poles	limiting values	countries	material
1	550199	3-pole + N + earth	16A-250/400V	D	all-rubber base
2	550219	3-pole + N + earth	16A-250/400V	D	thermoplastic
3	550525	3-pole + N + earth	16A-250/400V	D	thermoplastic

CEE plugs 2-pole + earth



item	order no.	number of poles	limiting values	countries	material
1	550531	2-pole + earth	16A/ 250V	D/I	thermoplastic
2	550532	2x2-polig + earth	16A/ 250V	D/I	thermoplastic
3	550533	2x2-polig + earth	16A/ 250V	D/I	thermoplastic



item	order no.	number of poles	limiting values	material
1	550209	2-pole + earth	16A/ 250V	thermoplastic
2	550524	2-pole + earth	16A/ 250V	thermoplastic

plugs 3-pole + N + earth

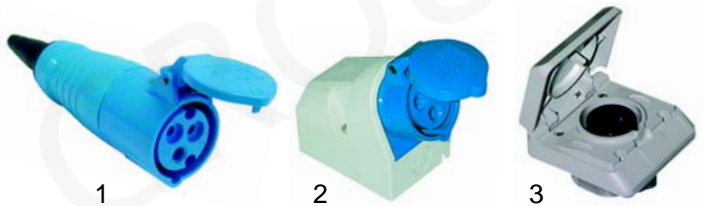


item	order no.	number of poles	limiting values	countries	material
1	550205	3-pole + N + earth	16A-250/400V	D	thermoplastic
2	550206	3-pole + N + earth	16A-250/400V	D	thermoplastic
3	550208	3-pole + N + earth	25A-250/400V	D	thermoplastic

sockets outlets 2-pole + earth



item	order no.	number of poles	limiting values	countries	material
1	550217	3-pole + N + earth	16A-250/400V	D	PVC
2	550216	3-pole + N + earth	16A-250/400V	D	all-rubber base



item	order no.	number of poles	limiting values	material
1	550520	2-pole + earth	16A/ 250V	thermoplastic
2	550265	2-pole + earth	16A/ 250V	thermoplastic
3	550218	2-pole + earth	16A/ 250V	thermoplastic

CEE plugs 3-pole + N + earth

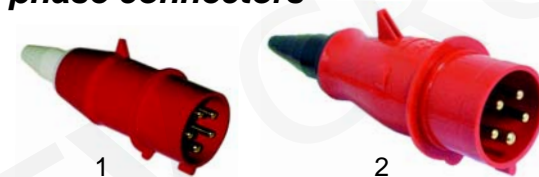


item	order no.	number of poles	limiting values	countries	material
1	550715	3-pole + N + earth	10A-250/400V	CH	all-rubber base
2	550716	3-pole + N + earth	16A-250/400V	CH	all-rubber base



item	order no.	number of poles	limiting values	material
1	550210	3-pole + N + earth	16A/ 400V	thermoplastic
2	550214	3-pole + N + earth	16A/ 400V	thermoplastic
3	550211	3-pole + N + earth	32A/ 400V	thermoplastic

phase connectors



item	order no.	number of poles	limiting values	material
1	550211	3-pole + N + earth	16A/ 400V	thermoplastic
2	550523	3-pole + N + earth	32A/ 400V	thermoplastic

CEE sockets outlets 3-pole + N + earth



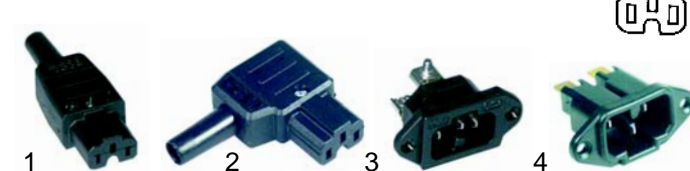
item	order no.	number of poles	limiting values	material
1	550215	3-pole + N + earth	16A/ 400V	thermoplastic
2	550521	3-pole + N + earth	32A/ 400V	thermoplastic
3	550263	3-pole + N + earth	16A/ 400V	thermoplastic

hot devices 120°C



item	order no.	description	limiting values	connection	material
1	550702	plug	10A/ 250V	screw	thermoplastic
2	550701	plug	10A/ 250V	screw	thermoplastic
3	550706	socket	10A/ 250V	screw	thermoplastic
4	550707	socket	10A/ 250V	Faston 6,3mm	thermoplastic

hot devices 155°C



item	order no.	description	limiting values	connection	material
1	550243	plug	10A/ 250V	screw	thermoplastic
2	550703	plug	10A/ 250V	screw	thermoplastic
3	550245	socket	10A/ 250V	screw	thermoplastic
4	550708	socket	10A/ 250V	Faston 6,3mm	thermoplastic

hot devices 200°C



item	order no.	description	limiting values	connection	material
1	550316	plug	16A/ 250V	screw	silicone/rubber
2	550709	socket	16A/ 250V	screw	metal/steatite
3	550710	retainer set	-	-	-

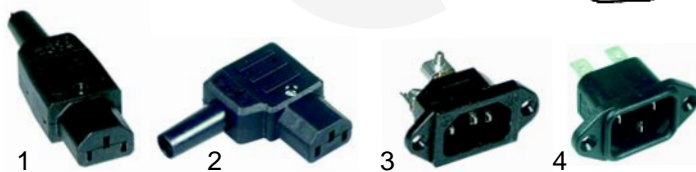
combined sockets



item	order no.	number of poles	limiting values	material
1	550266	2-pole + earth 3-pole + N + earth	16A/ 250V 32A/ 400V	thermoplastic

box mounting plugs/receptacles

cold devices socket outlet 70°C

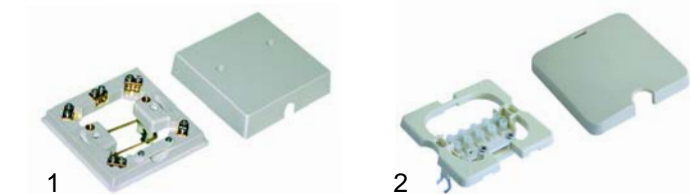


item	order no.	description	limiting values	connection	material
1	550242	plug	10A/ 250V	screw	thermoplastic
2	550699	plug	10A/ 250V	screw	thermoplastic
3	550244	socket	10A/ 250V	screw	thermoplastic
4	550704	socket	10A/ 250V	Faston 6,3mm	thermoplastic



item	order no.	description	limiting values	connection	material
1	550700	plug	16A/ 250V	screw	thermoplastic
2	550705	socket	16A/ 250V	Faston 6,3mm	thermoplastic

surface mounting-connector boxes



item	order no.	description	limiting values	connection	material
1	550240	cooker connector box	16A/ 400V, 3x2,5mm ²	screw	thermoplastic
2	550425	device connector box	16A/ 400V, 3x2,5mm ²	screw	thermoplastic

flexible connectors



item	order no.	description	connection (mm)
1	550327	1-pole with branch	Faston 6,3
2	550326	12-pole	Faston 6,3

terminals for TS 35 (plastic)



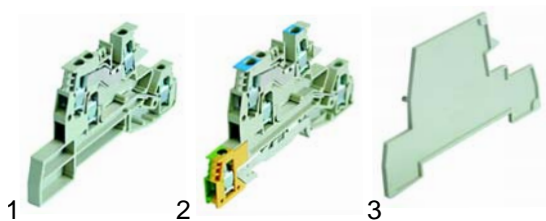
item	order no.	cross section (mm ²)	colour
1	550371	0,5-4,0	grey
2	550409	0,5-4,0	blue
3	550372	0,5-4,0	yellow/green
4	550381	1,0-10	grey
5	550383	1,0-10	blue
6	550416	1,0-10	yellow/green
7	550373	1,5-16	grey
8	550374	1,5-16	blue
9	550375	1,5-16	yellow/green
10	550382	2,5-25	grey
11	550455	2,5-25	blue
12	550376	2,5-35	grey
13	550377	2,5-35	blue
14	550378	2,5-35	yellow/green

dividers/end plates

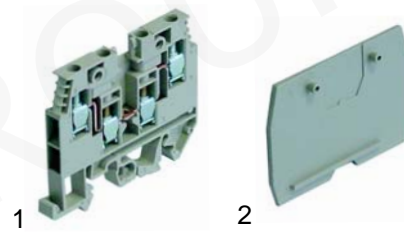


item	order no.	for clamps (mm ²)	colour	
1	550393	til 4	grey	divider
2	550394	til 10	blue	divider
3	550395	til 16	yellow/green	divider
4	550399	til 25/35	green	divider
5	550384	til 4	blue	end plate
6	550418	til 10	yellow/green	end plate
7	550429	til 16	green	end plate
8	550392	til 25/35	blue	end plate

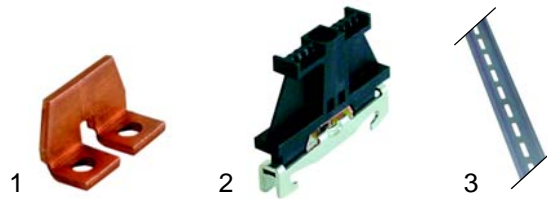
straight-through clips



item	order no.	description	colour
1	550434	2-pole, 6mm ²	grey
2	550433	1-pole + N + earth, 6mm ²	-
-	550436	dividers	grey
3	550435	closing plate	grey



item	order no.	description	colour
1	550400	clamp Duo 6mm ²	grey
2	550410	closing plate	grey



item	order no.	description	for clamps (mm)
	550461	bond bridge 2-pole	0,5-4
	550511	bond bridge 3-pole	0,5-4
	550462	bond bridge 2-pole	1,5-10
	550512	bond bridge 3-pole	1,5-10
1	550463	bond bridge 2-pole	1,5-16
	550513	bond bridge 3-pole	1,5-16
	550464	bond bridge 2-pole	2,5-25
	550514	bond bridge 3-pole	2,5-25
	550466	bond bridge 2-pole	2,5-35
	550515	bond bridge 3-pole	2,5-35
2	550370	end clamp	-
3	550465	mounting rail 2 metres	-

safeguard clamps



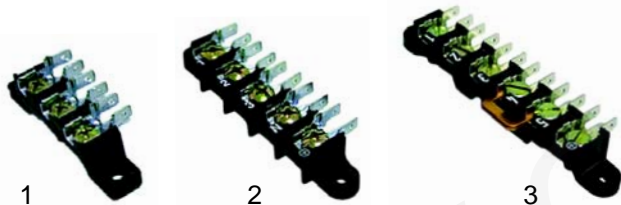
item	order no.	description	fuse value (mm)	nominal cross section (mm ²)
1	550105	safeguard clamp 5x20	-	1,0-16
	550439	safeguard clamp 6,3x32	-	1,0-16
2	550337	closing plate	-	-
3	550104	safeguard clamp 5x20/25/30	-	0,5-6
	550348	safeguard clamp 6,3x32	-	0,5-6

terminals (porcelain)

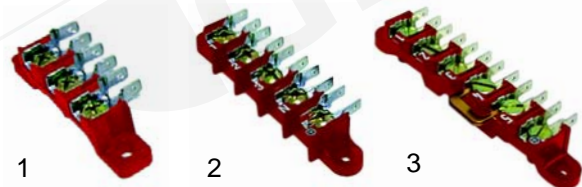


item	order no.	number of poles	nominal cross section (mm ²)	temperature	load
1	550124	1	2,5	250°C	32A/ 400V
2	550125	1	6	250°C	57A/ 400V
3	550126	1	10	250°C	76A/ 400V

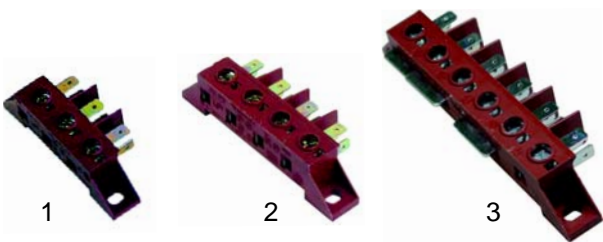
connecting blocks



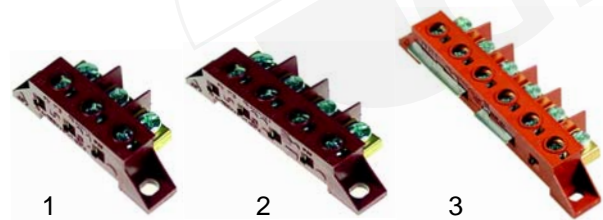
item	order no.	number of poles	limiting values	connection (mm)	temperature
1	550109	3	40A/ 250V	M6/Faston 6,3	130°C
2	550110	5	40A/ 250V	M6/Faston 6,3	130°C
3	550111	6	40A/ 250V	M6/Faston 6,3	130°C



item	order no.	number of poles	limiting values	connection (mm)	temperature
1	550516	3	41A	M6/Faston 6,3	150°C
2	550517	5	41A	M6/Faston 6,3	150°C
3	550518	6	41A	M6/Faston 6,3	150°C



item	order no.	number of poles	limiting values	connection (mm)	temperature
1	550278	3	40A/ 400V	M6/Faston 6,3	150°C
2	550349	4	40A/ 400V	M6/Faston 6,3	150°C
3	550411	6	40A/ 400V	M6/Faston 6,3	150°C

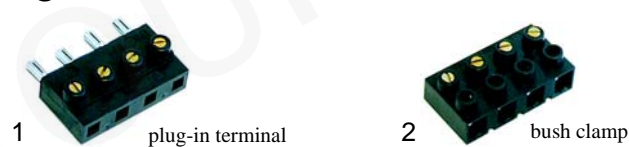


item	order no.	number of poles	limiting values	connection	temperature
1	550470	3	40A/ 400V	M6/M6	150°C
2	550507	4	40A/ 400V	M6/M6	150°C
3	550355	6	40A/ 400V	M6/M6	150°C

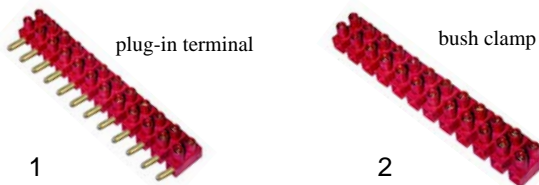


item	order no.	number of poles	limiting values	connection	temperature
1	550034	5	32A/ 450V	6,3mm ²	150°C
2	550037	3	16V/400V	F6,3/F6,3	110°C
3	550038	6	16V/400V	F6,3/F6,3	110°C

plug-in terminal blocks



item	order no.	number of poles	limiting values	connection (mm ²)	temperature
1	550920	4	16A/ 450V	M3,5/2,5	120°C
2	550921	4	16A/ 450V	M3,5/2,5	120°C



item	order no.	number of poles	limiting values	connection (mm ²)	temperature
1	519361	12	32A	M3,5/4,0	150°C
2	519360	12	32A	M3,5/4,0	150°C

connecting blocks Europa

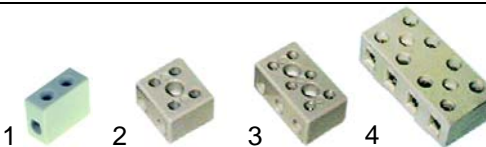


item	order no.	number of poles	nominal cross section (mm ²)	temperature	load
1	550232	12	4	150°C	32A/ 450V
2	550838	12	6	150°C	41A/ 750V
3	550239	12	16	150°C	76A/ 750V

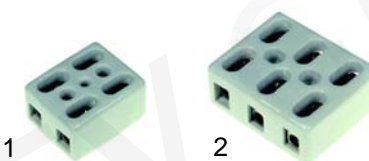
porcelain connector blocks



item	order no.	number of poles	nominal cross section (mm ²)	hole distance (mm)	load
1	550592	1	2,5	-	10A/ 250V
2	550112	2	2,5	-	10A/ 250V
3	550113	3	2,5	11,5	10A/ 250V
4	550114	4	2,5	18,0	10A/ 250V

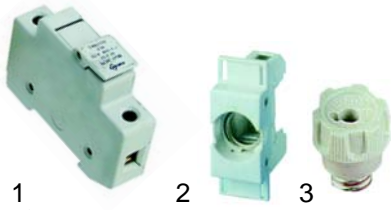


item	order no.	number of poles	nominal cross section (mm ²)	hole distance (mm)	load
1	550593	1	4,0	-	20A/ 450V
	550594	1	6,0	-	30A/ 450V
2	550115	2	10,0	-	30A/ 450V
3	550116	3	10,0	17,0	30A/ 450V
4	550414	4	10,0	29,0	30A/ 450V

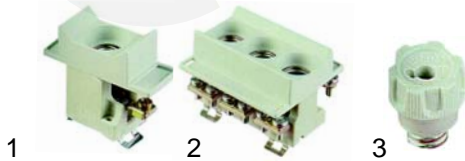


item	order no.	number of poles	nominal cross section (mm ²)	hole distance (mm)	load
1	550595	2	10,0	22,0	32A/ 450V
2	550596	3	10,0	19,0	32A/ 450V

fuse holders DIN rail



item	order no.	description	fuse type	load
1	358075	fuse holder 1-pole 10x38	10x38	32A/ 690V
2	358093	fuse holder 1-pole D01	D01	16A/ 400V
	358094	fuse holder 1-pole D02	D02	63A/ 400V
3	358059	screw cap D01	-	-
	358061	screw cap D02	-	-



item	order no.	description	fuse type	load
1	358057	fuse holder 1-pole D01	D01	16A/ 400V
	358062	fuse holder 3-pole D01	D01	16A/ 400V
2	358058	fuse holder 1-pole D02	D02	63A/ 400V
	358060	fuse holder 3-pole D02	D02	63A/ 400V
3	358059	screw cap D01	-	-
	358061	screw cap D02	-	-

gauge pieces



item	order no.	current	type	item	order no.	current	type
1	358052	2A	D01	8	358063	10A	D02
2	358053	4A	D01	9	358064	16A	D02
3	358054	6A	D01	10	358065	20A	D02
4	358055	10A	D01	11	358066	25A	D02
5	358056	2A	D02	12	358067	35A	D02
6	358069	4A	D02	13	358068	50A	D02
7	358076	6A	D02				

fuses



10x38mm, fast-acting
Qty 1 piece
voltage 500V

item	order no.	current	item	order no.	current	item	order no.	current
1	358020	1A	5	358024	8A	8	358027	16A
2	358021	2A	6	358031	10A	9	358028	20A
3	358022	4A	7	358025	12A	10	358032	25A
4	358023	6A						



10x38mm, slow-acting
Qty 1 piece
voltage 500V

item	order no.	current	item	order no.	current	item	order no.	current
1	358033	1A	5	358037	8A	9	358041	20A
2	358034	2A	6	358038	10A	10	358042	25A
3	358035	4A	7	358039	12A	11	358030	32A
4	358036	6A	8	358040	16			



D01/ ø 11x36mm
Qty 10 pieces
voltage 250/400V

item	order no.	current	item	order no.	current	item	order no.	current
1	358070	2A	3	358072	6A	5	358077	13A
2	358071	4A	4	358073	10A	6	358043	16A



D02/ ø 15x36mm
Qty 10 pieces
voltage 250/400V

item	order no.	current	item	order no.	current	item	order no.	current
1	358048	20A	4	358045	35A	6	358046	50A
2	358044	25A	5	358079	40A	7	358047	63A
3	358078	32A						



DI/ ø 13,2x50mm
Qty 10 pieces
voltage 500V

item	order no.	current	item	order no.	current	item	order no.	current
1	358085	6A	3	358087	16A	5	358089	25A
2	358086	10A	4	358088	20A			



DII/ ø 21,5x50mm
Qty 5 pieces
voltage 500V

item	order no.	current	item	order no.	current	item	order no.	current
1	358080	6A	3	358082	16A	5	358084	25A
2	358081	10A	4	358083	20A			



DIII/ ø 27x50mm
Qty 5 pieces
voltage 500V

item	order no.	current	item	order no.	current	item	order no.	current
1	358090	35A	2	358091	50A	3	358092	63A

line circuit breakers

B-type line protection, 1-pole



item	order no.	rated current	item	order no.	rated current
1	358103	10A	4	358106	25A
2	358104	16A	5	358107	32A
3	358105	20A	6	358108	40A

K-type line protection, engine protective circuit, 3-pole



item	order no.	rated current	item	order no.	rated current
1	358230	16A	4	358233	32A
2	358231	20A	5	358234	40A
3	358232	25A			

C-type line protection, device protection, 1-pole



item	order no.	rated current	item	order no.	rated current
1	380616	10A	3	358120	20A
2	345259	16A	4	358121	25A

K-type line protection, engine protective circuit, 3-pole + N



item	order no.	rated current	item	order no.	rated current
1	345540	16A	4	345543	32A
2	345541	20A	5	345544	40A
3	345542	25A			

K-type line protection, engine protective circuit, 1-pole



item	order no.	rated current	item	order no.	rated current
1	358210	4A	5	358217	20A
2	358212	6A	6	358218	25A
3	358214	10A	7	358219	32A
4	358216	16A	8	358220	40A

motor protection circuit breakers



item	order no.	rated current	item	order no.	rated current
1	380359	0,63 - 1A	6	380304	6,3 - 10A
2	380300	1 - 1,6A	7	380338	10 - 16A
3	380301	1,6 - 2,5A	8	380339	16 - 20A
4	380302	2,5 - 4A	9	380354	20 - 25A
5	380303	4 - 6,3A			

K-type line protection, engine protective circuit, 1-pole + N



item	order no.	rated current	item	order no.	rated current
1	345530	16A	4	345533	32A
2	345531	20A	5	345534	40A
3	345532	25A			

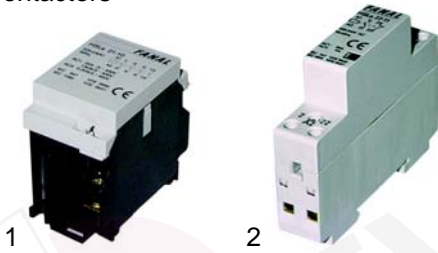
auxiliary switches



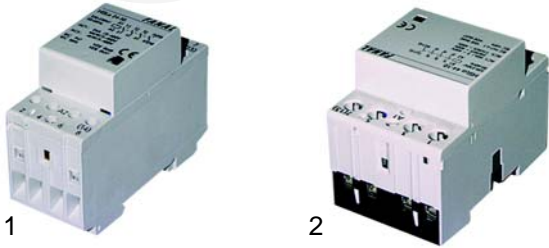
item	order no.	contacts	item	order no.	contacts
1	380305	1 NO + 1 NC	4	380371	1 NC
2	380369	1 NO	5	380372	2 NC
3	380370	2 NO			

rail mounted devices

contactors

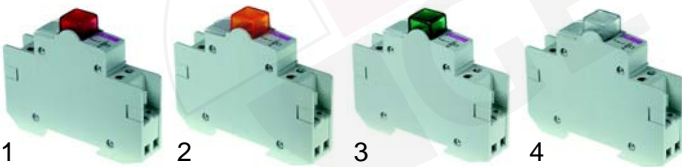


item	order no.	supply	AC1	contacts
1	380250	230V AC	20A	4 NO
	380251	230V AC	20A	3 NO/1 NC
2	380255	230V AC	20A	2 NO
	380256	230V AC	20A	1 NO/1 NC



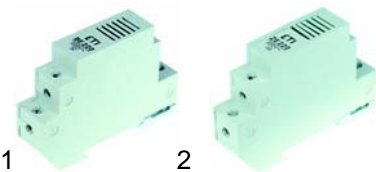
item	order no.	supply	AC1	contacts
1	380257	230V AC	25A	4 NO
	380258	230V AC	25A	3 NO/1 NC
	380254	230V AC	25A	2 NO/2 NC
2	380259	230V AC	40A	4 NO
	380252	230V AC	40A	3 NO/1 NC
	380260	230V AC	63A	4 NO
	380275	230V AC	63A	3 NO/1 NC

indicator lamps



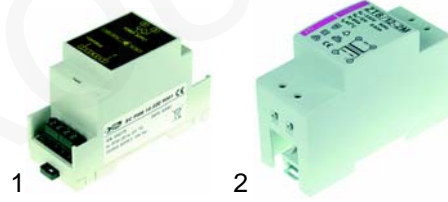
item	order no.	description	supply
1	359253	red	230V AC
2	359254	yellow	230V AC
3	359255	green	230V AC
4	359256	lucent	230V AC

buzzers/ bells



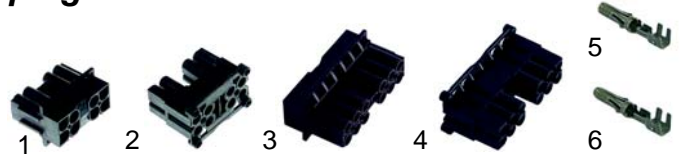
item	order no.	description	supply
1	350052	buzzer	230V AC
2	350054	bell	230V AC

network modules/transformers



item	order no.	description	supply	output
1	379257	network module	230V AC	12V DC
2	400401	transformer	230V AC	12V AC

plug connectors



item	order no.	description
1	550888	pin case 8-pole
2	550889	drawer case 8-pole
3	550333	pin case 12-pole
4	550330	drawer case 12-pole
5	550328	bush 3,5mm
6	550334	spindle 3,5mm

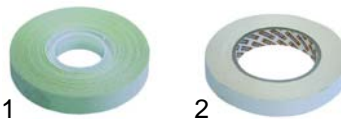
insulated tapes



Technical data:

material: PVC
 temperature: -10° til 105°C
 width: 15mm
 length: 10m
 approval: VDE

item	order no.	colour	item	order no.	colour
1	550021	black	5	550025	grey
2	550022	white	6	550026	green
3	550023	blue	7	550032	yellow/green
4	550024	red			



Technical data:

material: glass fabric
 temperature: max. 200°C

item	order no.	length (m)	width (mm)
1	550031	20	12
2	550056	50	19

cable ties & bases



item	order no.	Qty	description	width (mm)	length (mm)
1	550249	100	base 19x19mm	-	-
2	550250	100	cable tie	2,5	100
	550251	100	cable tie	2,5	160
	550254	100	cable tie	3,6	140
	550252	100	cable tie	3,6	200
	550253	100	cable tie	3,6	290

small fuse holders



item	order no.	ø mounting (mm)	fuse (mm)	load	connection
1	358383	13,1	5x20	10A/ 250V	solder connection
2	358384	15,2	5x20	10A/ 250V	solder connection
3	358385	16	5x20	16A/ 250V	Faston 6,3mm
4	358386	16	6,3x32	16A/ 250V	Faston 6,3mm



item	order no.	ø mounting (mm)	fuse (mm)	load	connection
1	358387	15,2	6,3x32	10A/ 250V	solder connection
2	358388	15,1	6,3x32	15A/ 250V	Faston 4,8mm
3	358396	13	6,3x32	10A/ 250V	Faston 4,8mm
4	550558	12,5	5x20	10A/ 250V	Faston 4,8mm



item	order no.	ø mounting (mm)	fuse (mm)	load	connection
1	358394	18,3	5x30	63A/ 5000V	solder connection
2	358395	-	5x30	-	-
3	358389	-	5x20	10A/ 250V	screw connection
4	358382	-	5x30	10A/ 250V	screw connection

small fuse holders (DIN rail)



item	order no.	description	fuse (mm)	load	nominal cross section (mm ²)
1	550105	fuse holder	5x20	10A/ 250V	1,0-16
	550439	fuse holder	6,3x32	10A/ 250V	1,0-16
2	550337	covering rail	-	-	-
3	550104	fuse holder	5x20/25/30	6,3A/ 600V	0,5-6
	550348	fuse holder	6,3x32	10A/ 600V	0,5-6
4	358512	fuse holder	5x20	6,3A/ 600V	0,5-4,0

connecting blocks with fuse holders



pos.	order no.	number of poles	for fuse (mm)	nominal cross section (mm ²)	load
1	358389	-	5x20	2,5	24A/ 450V
2	358390	1	5x20	2,5	24A/ 450V
3	358391	2	5x20	2,5	24A/ 450V
4	358392	3	5x20	2,5	24A/ 450V
5	358393	4	5x20	2,5	24A/ 450V

small fuses



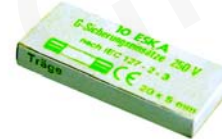
5x20mm, fast-acting
Qty 10 pieces
voltage 250V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358661	100mA	9	358669	630mA	16	358676	3,15A
2	358662	125mA	10	358530	800mA	17	358677	4,0A
3	358663	160mA	11	358671	1,0A	18	358074	5,0A
4	358664	200mA	12	358531	1,25A	19	358533	6,3A
5	358665	250mA	13	358673	1,6A	20	358678	8A
6	358666	315mA	14	358532	2A	21	358610	10A
7	358667	400mA	15	358675	2,5A	22	358611	16A
8	358668	500mA						



5x20mm, medium lag
Qty 10 pieces
voltage 250V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358680	100mA	9	358688	630mA	16	358695	3,15A
2	358681	125mA	10	358889	800mA	17	358696	4,0A
3	358682	160mA	11	358690	1,0A	18	358700	5,0A
4	358683	200mA	12	358691	1,25A	19	358697	6,3A
5	358684	250mA	13	358692	1,6A	20	358698	8A
6	358685	315mA	14	358693	2A	21	358699	10A
7	358686	400mA	15	358694	2,5A	22	358705	16A
8	358687	500mA						



5x20mm, slow-acting
Qty 10 pieces
voltage 250V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358590	63mA	8	358703	400mA	16	358604	2,5A
2	358591	80mA	9	358597	500mA	17	358605	3,15A
3	358592	100mA	10	358598	630mA	18	358606	4A
4	358593	125mA	11	358599	800mA	19	358609	5A
5	358594	160mA	12	358600	1A	20	358607	6,3A
6	358595	200mA	13	358601	1,25A	21	358704	8A
7	358596	250mA	14	358602	1,6A	22	358608	10A
8	358702	315mA	15	358603	2,0A	23	358706	16A



5x30mm, slow-acting
Qty 10 pieces
voltage 500V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358795	100mA	8	358711	500mA	15	358717	2,5A
2	358796	125mA	9	358801	630mA	16	358718	3,15A
3	358797	160mA	10	358712	800mA	17	358719	4A
4	358798	200mA	11	358713	1,0A	18	358723	5A
5	358799	250mA	12	358714	1,25A	19	358720	6,3A
6	358710	315mA	13	358715	1,6A	20	358721	8A
7	358800	400mA	14	358716	2A	21	358722	10A



5x30mm, medium lag
Qty 10 pieces
voltage 500V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358802	100mA	8	358726	500mA	15	358732	2,5A
2	358803	125mA	9	358808	630mA	16	358733	3,15A
3	358804	160mA	10	358727	800mA	17	358734	4A
4	358805	200mA	11	358728	1,0A	18	358724	5A
5	358806	250mA	12	358729	1,25A	19	358735	6,3A
6	358725	315mA	13	358730	1,6A	20	358809	8A
7	358807	400mA	14	358731	2A	21	358736	10A



6,3x32mm, fast-acting
Qty 10 pieces
voltage 500V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358810	100mA	9	358816	630mA	16	358748	3,15A
2	358811	125mA	10	358742	800mA	17	358749	4,0A
3	358812	160mA	11	358743	1,0A	18	358750	5,0A
4	358813	200mA	12	358744	1,25A	19	358751	6,3A
5	358814	250mA	13	358745	1,6A	20	358817	8A
6	358740	315mA	14	358746	2A	21	358752	10A
7	358815	400mA	15	358747	2,5A	22	358753	16A
8	358741	500mA						



6,3x32mm, medium lag
Qty 10 pieces
voltage 250V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358818	100mA	9	358824	630mA	16	358768	3,15A
2	358819	125mA	10	358762	800mA	17	358769	4,0A
3	358820	160mA	11	358763	1,0A	18	358770	5,0A
4	358821	200mA	12	358764	1,25A	19	358771	6,3A
5	358822	250mA	13	358765	1,6A	20	358825	8A
6	358760	315mA	14	358766	2A	21	358772	10A
7	358823	400mA	15	358767	2,5A	22	358773	16A
8	358761	500mA						



6,3x32mm, slow-acting
Qty 10 pieces
voltage 250V

pos.	order no.	current	pos.	order no.	current	pos.	order no.	current
1	358826	100mA	9	358640	630mA	16	358788	3,15A
2	358827	125mA	10	358782	800mA	17	358789	4,0A
3	358828	160mA	11	358783	1,0A	18	358790	5,0A
4	358829	200mA	12	358784	1,25A	19	358791	6,3A
5	358830	250mA	13	358785	1,6A	20	358794	8A
6	358780	315mA	14	358786	2A	21	358792	10A
7	358831	400mA	15	358787	2,5A	22	358793	16A
8	358781	500mA						

small fuse assortments



assortment:
12 different fuse types

pos.	order no.	size (mm)	fuse type	rated currents per 10 pieces
1	401030	5x20	fast-acting	100mA, 160mA, 250mA, 500mA, 630mA, 800mA, 1A, 1,6A, 2A, 2,5A, 4A, 6,3A
2	401032	5x20	medium lag	100mA, 160mA, 250mA, 500mA, 630mA, 800mA, 1A, 1,6A, 2,5A, 4A, 6,3A, 10A
3	401034	5x20	slow-acting	100mA, 160mA, 250mA, 500mA, 630mA, 800mA, 1A, 1,6A, 2,5A, 4A, 6,3A, 10A
4	401036	5x30	fast-acting	315mA, 500mA, 800mA, 1A, 1,25A, 1,6A, 2A, 2,5A, 3,15A, 4A, 6,3A, 10A
5	401037	5x30	medium lag	315mA, 500mA, 800mA, 1A, 1,25A, 1,6A, 2A, 2,5A, 3,15A, 4A, 6,3A, 10A
6	401038	6,3x32	fast-acting	315mA, 500mA, 800mA, 1A, 1,25A, 1,6A, 2A, 2,5A, 3,15A, 4A, 5A, 6,3A
7	401039	6,3x32	medium lag	315mA, 500mA, 800mA, 1A, 1,25A, 1,6A, 2A, 2,5A, 3,15A, 4A, 5A, 6,3A
8	401040	6,3x32	slow-acting	315mA, 500mA, 800mA, 1A, 1,25A, 1,6A, 2A, 2,5A, 3,15A, 4A, 5A, 6,3A

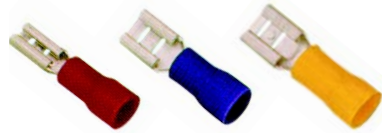


assortment: 18 different fuse types

pos.	order no.	size (mm)	fuse type	rated currents per 10 pieces
1	401031	5x20	fast-acting	100mA, 125mA, 160mA, 200mA, 250mA, 315mA, 400mA, 500mA, 630mA, 800mA, 1A, 1,25A, 2A, 2,5A, 3,15A, 4A, 6,3A, 16A
2	401033	5x20	medium lag	100mA, 125mA, 160mA, 200mA, 250mA, 315mA, 400mA, 500mA, 630mA, 800mA, 1A, 1,25A, 2A, 2,5A, 3,15A, 4A, 6,3A, 16A
3	401035	5x20	slow-acting	100mA, 125mA, 160mA, 200mA, 250mA, 315mA, 400mA, 500mA, 630mA, 800mA, 1A, 1,25A, 2A, 2,5A, 3,15A, 4A, 6,3A, 16A

insulated cable connectors

female receptacles



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550150	2,8x0,8	0,5-1,5	● red
2	550255	2,8x0,8	1,5-2,5	● blue
3	550151	4,8x0,8	0,5-1,5	● red
4	550152	4,8x0,8	1,5-2,5	● blue
5	550153	6,3x0,8	0,5-1,5	● red
6	550154	6,3x0,8	1,5-2,5	● blue
7	550155	6,3x0,8	4,0-6,0	● yellow

male terminals



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550292	2,8x0,8	0,5-1,5	● red
2	550293	2,8x0,8	1,5-2,5	● blue
3	550294	4,8x0,8	0,5-1,5	● red
4	550295	4,8x0,8	1,5-2,5	● blue
5	550296	6,3x0,8	0,5-1,5	● red
6	550297	6,3x0,8	1,5-2,5	● blue
7	550615	6,3x0,8	4,0-6,0	● yellow

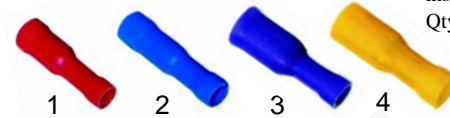
piggybacks



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

item	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550156	6,3x0,8	0,5-1,5	● red
2	550157	6,3x0,8	1,5-2,5	● blue
3	550282	6,3x0,8	4,0-6,0	● yellow

female bullets



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

item	order no.	size Ø (mm)	nominal cross section (mm ²)	colour
1	550187	4	0,5-1,5	● red
2	550188	4	1,5-2,5	● blue
3	550616	5	1,5-2,5	● blue
4	550617	5	4,0-6,0	● yellow

shrouded receptacles



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550283	2,8x0,8	0,5-1,5	● red
2	550290	2,8x0,8	1,5-2,5	● blue
3	550235	4,8x0,8	0,5-1,5	● red
4	550236	4,8x0,8	1,5-2,5	● blue
5	550178	6,3x0,8	0,5-1,5	● red
6	550179	6,3x0,8	1,5-2,5	● blue
7	550291	6,3x0,8	4,0-6,0	● yellow

male bullets



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

item	order no.	size Ø (mm)	nominal cross section (mm ²)	colour
1	550196	4	0,5-1,5	● red
2	550197	4	1,5-2,5	● blue
3	550618	5	1,5-2,5	● blue
4	550619	5	4,0-6,0	● yellow

pins



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

item	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550168	1,9x12	0,5-1,5	● red
2	550169	1,9x12	1,5-2,5	● blue
3	550170	2,8x13	4,0-6,0	● yellow

blades



Technical data:
 max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

item	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550620	3,0x14	0,5-1,5	● red
2	550621	2,2x13	1,5-2,5	● blue
3	550622	3,0x18	4,0-6,0	● yellow

female receptacles


Technical data:

max. temperature: 105°C
 material: Cu gal Sn
 insulating materials: nylon
 Qty: 100 pieces

item	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550237	2,8x0,8	0,5-1,5	red
2	550238	4,8x0,8	1,5-2,5	blue
3	550644	6,3x0,8	4,0-6,0	yellow

male terminals


Technical data:

max. temperature: 105°C
 material: Cu gal Sn
 insulating materials: nylon
 Qty: 100 pieces

item	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550641	2,8x0,8	0,5-1,5	red
2	550642	4,8x0,8	1,5-2,5	blue
3	550643	6,3x0,8	4,0-6,0	yellow

ring terminals


Technical data:

max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550161	M3 (3,2)	0,5-1,5	red
2	550623	M3 (3,2)	1,5-2,5	blue
3	550624	M3,5 (3,7)	0,5-1,5	red
4	550625	M3,5 (3,7)	1,5-2,5	blue
5	550626	M3,5 (3,7)	4,0-6,0	yellow
6	550162	M4 (4,3)	0,5-1,5	red
7	550163	M4 (4,3)	1,5-2,5	blue
8	550627	M4 (4,3)	4,0-6,0	yellow
9	550628	M5 (5,3)	0,5-1,5	red
10	550164	M5 (5,3)	1,5-2,5	blue
11	550165	M5 (5,3)	4,0-6,0	yellow
12	550629	M6 (6,5)	0,5-1,5	red
13	550166	M6 (6,5)	1,5-2,5	blue
14	550167	M6 (6,5)	4,0-6,0	yellow
15	550630	M8 (8,5)	1,5-2,5	blue
16	550631	M8 (8,5)	4,0-6,0	yellow

spades


Technical data:

max. temperature: 75°C
 material: Cu gal Sn
 insulating materials: PVC
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)	colour
1	550632	M3 (3,2)	0,5-1,5	red
2	550633	M3 (3,2)	1,5-2,5	blue
3	550634	M3,5 (3,7)	0,5-1,5	red
4	550635	M3,5 (3,7)	1,5-2,5	blue
5	550636	M3,5 (3,7)	4,0-6,0	yellow
6	550172	M4 (4,3)	0,5-1,5	red
7	550173	M4 (4,3)	1,5-2,5	blue
8	550637	M4 (4,3)	4,0-6,0	yellow
9	550638	M5 (5,3)	0,5-1,5	red
10	550174	M5 (5,3)	1,5-2,5	blue
11	550175	M5 (5,3)	4,0-6,0	yellow
12	550274	M6 (6,5)	0,5-1,5	red
13	550176	M6 (6,5)	1,5-2,5	blue
14	550177	M6 (6,5)	4,0-6,0	yellow
15	550640	M8 (8,5)	4,0-6,0	yellow

end connectors


Technical data:

max. temperature: 105°C
 material: Cu gal Sn
 insulating materials: nylon
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550749	10x21	1,0-2,5
2	550018	12,5x25	2,5-6,0
3	550033	15x28	6,0-8,5

not insulated cable connectors

ring terminals



Technical data:
 max. temperature: 650°C
 material: nickel
 Qty: 10 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550750	M4 (4,2)	1,5-2,5
2	550751	M4 (4,2)	4,0-6,0

ring terminals



Technical data:
 max. temperature: 400°C
 material: stainless steel
 Qty: 10 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	551004	M3 (3,2)	1,0-2,5
2	551005	M4 (4,2)	1,0-2,5
3	551007	M4 (4,2)	4,0-6,0
4	551006	M5 (5,2)	1,0-2,5
5	551008	M5 (5,2)	4,0-6,0
6	551009	M6 (6,5)	4,0-6,5



Technical data:
 max. temperature: 125°C
 material: Cu gal Sn
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550735	M3 (3,2)	0,5-1,5
2	550736	M3,5 (3,7)	0,5-1,5
3	550737	M4 (4,3)	1,5-2,5
4	550738	M4 (4,3)	4,0-6,0
5	550739	M5 (5,3)	1,5-2,5
6	550740	M5 (5,3)	4,0-6,0
7	550741	M6 (6,5)	4,0-6,0

female receptacles



Technical data:
 max. temperature: 125°C
 material: CuZn
 Qty: 20 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	100021	2,8x0,8	0,5-1,0
2	100022	6,3x0,8	1,0-2,5

spades



Technical data:
 max. temperature: 125°C
 material: Cu gal Sn
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550742	M3 (3,2)	0,5-1,5
2	550743	M3,5 (3,7)	0,5-1,5
3	550744	M4 (4,3)	1,5-2,5
4	550745	M4 (4,3)	4,0-6,0
5	550746	M5 (5,3)	1,5-2,5
6	550747	M5 (5,3)	4,0-6,0
7	550748	M6 (6,5)	4,0-6,0



Technical data:
 max. temperature: 110°C
 material: CuZn gal Sn
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550650	2,8x0,8	0,5-1,0
2	550648	4,8x0,5	0,5-1,0
2	550649	4,8x0,5	1,0-2,5
2	550651	4,8x0,8	0,5-1,0
2	550652	4,8x0,8	1,0-2,5
3	550653	6,3x0,8	0,5-1,0
3	550654	6,3x0,8	1,0-2,5
3	550655	6,3x0,8	2,5-6,3

ring terminals



Technical data:
 max. temperature: 340°C
 material: Fe gal Ni
 Qty: 10 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	551010	M3 (3,2)	1,0-2,5
2	551011	M4 (4,2)	1,0-2,5
3	551013	M4 (4,2)	4,0-6,0
4	551012	M5 (5,2)	1,0-2,5
5	551015	M5 (5,2)	4,0-6,0
6	551016	M6 (6,5)	4,0-6,0

receptacles/piggybacks

Technical data:
 max. temperature: 110°C
 material: CuZn gal Sn
 Qty: 100 pieces



item	order no.	size (mm)	nominal cross section (mm ²)
1	550656	6,3x0,8	1,0-2,5
2	550657	6,3x0,8	1,0-2,5
3	550658	6,3x0,8	1,0-2,5
4	550047	6,3x0,8	distributed socket

female receptacles (safety system)



Technical data:
 max. temperature: 110°C
 material: CuZn gal Sn
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550659	4,8x0,8	0,5-1,0
2	550660	4,8x0,8	1,0-2,5
3	550661	6,3x0,8	0,5-1,0
4	550279	6,3x0,8	1,0-2,5

ring terminals



Technical data:
 max. temperature: 340°C
 material: Fe gal Ni
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	550007	M4 (4,3)	0,5-1,0
2	550008	M4 (4,2)	1,0-2,5
3	550009	M5 (5,3)	1,0-2,5
4	550010	M6 (6,2)	1,0-2,5

female receptacles/piggybacks



Technical data:
 max. temperature: 340°C
 material: Fe gal Ni
 Qty: 100 pieces

item.	order no.	size (mm)	nominal cross section (mm ²)
	550045	6,3x0,8	0,5-1,5
1	550001	6,3x0,8	1,0-2,5
	550046	6,3x0,8	2,5-5,0
2	550012	6,3x0,8	1,0-2,5
3	550198	6,3x0,8	1,0-2,5



Technical data:
 max. temperature: 400°C
 material: stainless steel
 Qty: 100 pieces

pos.	order no.	size (mm)	nominal cross section (mm ²)
1	551001	6,3x0,8	0,5-1,5
2	551002	6,3x0,8	1,0-2,5
3	551003	6,3x0,8	4,0-6,0

covers



Technical data:
 Max. temperature: 120°C
 material: nylon
 Qty: 20 pieces

item	order no.	size (mm)	for
	550665	2,8	flat pin bushings
1	550666	4,8	flat pin bushings
	550331	6,3	flat pin bushings
2	550332	6,3	flat pin bushings
3	550667	6,3	flat plug

crimp contacts



Technical data:
 max. temperature: 125°C
 material: CuZn gal Sn (Abb.1)
 CuZn (Abb.2+3)
 Qty: 20 pieces

item	order no.	ø (mm)	nominal cross section (mm ²)
1	100112	2,0	0,25-1,0
2	100023	2,4	0,5-1,5
3	100024	4,0	0,25-1,5
4	550923	6,0	0,5-1,5

wire end sleeves



Technical data:
 max. temperature: 110°C
 material: Cu gal Sn
 Qty: 100 pieces

pos.	order no.	nominal cross section (mm ²)	length (mm)
1	550180	0,75	8
2	550181	1,0	10
3	550182	1,5	10
4	550183	2,5	12
5	550184	4,0	12
6	550185	6,0	12
7	550186	10,0	15

boot lace ferrules



Technical data:
 max. temperature: 110°C
 material: Cu gal Sn
 Qty: 100 pieces

pos.	order no.	nominal cross section (mm ²)	length (mm)	colour
1	550189	0,75	10 + collar	white
2	550190	1,0	10 + collar	yellow
3	550191	1,5	10 + collar	red
4	550192	2,5	12 + collar	blue
5	550193	4,0	12 + collar	grey
6	550194	6,0	12 + collar	black
7	550195	10,0	15 + collar	ivory

crimp tools

crimp tools with replaceable crimp dies



item	order no.	crimping range (mm ²)	suitable for
1	800089	0,5-1,5 1,5-2,5 4,0-6,0	
	800088	0,5-1,5 1,5-2,5 4,0-6,0	
	800204	0,5-1,5 1,5-2,5	
2	800205	1,5-2,5 4,0-6,0 10,0	
	800096	0,5 / 1,0/ 1,5 / 2,0/ 2,5 / 4,0	
	800206	0,5-1,5 1,5-2,5 4,0-6,0	
3	800207	0,5-1,5 1,5-2,5 4,0-6,0	
	800208	0,5-1,5 1,5-2,5	
	800210	1,5-2,5 4,0-6,0 10,0	
1	800209	0,5 / 1,0/ 1,5 / 2,5/ 4,0 / 6,0	
	800211	0,25-0,5 0,5-1,5 1,5-2,5	
	800212	0,5-1,5 1,5-2,5	
2	800214	1,5-2,5 6,0	
	800213	0,5 / 0,75/ 1,0 / 1,5/ 2,5 / 4,0 / 6,0	
	800223	0,5-1,5 1,5-2,5	
3	800223	0,25 / 2,5	

crimp dies



item	order no.	crimping range (mm ²)	suitable for	tongs
1	800217	0,5-1,5 1,5-2,5 4,0-6,0		
	800216	0,5-1,5 1,5-2,5 4,0-6,0		800088 800089 800096
	800219	0,5-1,5 1,5-2,5		800204 800205 800206 800207
2	800218	1,5 / 2,5/ 4,0 / 6,0/ 10,0		800208 800209 800210
	800215	0,5/0,75/ 1,0/1,50/ 2,5 / 4,0/ 6,0		
	800221	0,5-1,5 1,5-2,5		
3	800220	0,5-1,5 1,5-2,5		
	800228	1,25 / 6,0		800211 800212
	800222	0,5/0,75/ 1,0/1,50/ 2,5 / 4,0/ 6,0		800213 800214 800223
1	800224	0,5-1,5 1,5-2,5		
	800224	0,25 / 2,5		

crimp tool kits



pos.	order no.	crimping range (mm ²)	suitable for	baking
1	800201	0,5-1,5 1,5-2,5 4,0-6,0		800217
		0,5-1,5 1,5-2,5 4,0-6,0		800216
		0,5-1,5 1,5-2,5		800219
		1,5/ 2,5/ 4,0/ 6,0/ 10,0		800218
		0,5/ 0,75/ 1,0/ 1,50/ 2,5/ 4,0/6,0		800215



pos.	order no.	crimping range (mm ²)	suitable for	baking
1	800203	0,5-1,5 1,5-2,5		800221
		0,5-1,5 1,5-2,5		800220
		1,25/ 6,0		800228
		0,5/ 0,75/ 1,0/ 1,5/ 2,5/ 4,0/ 6,0		800222
		0,5-1,5 1,5-2,5		800224
		0,25-2,5		



pos.	order no.	crimping range (mm ²)	suitable for	baking
1	800202	0,5-1,5 1,5-2,5 4,0-6,0		800217
		0,5-1,5 1,5-2,5 4,0-6,0		800216
		0,5-1,5 1,5-2,5		800219
		1,5/ 0,75/ 1,0/ 1,50/ 2,5/ 4,0/ 6,0		800218
		0,5/ 0,75/ 1,00/ 1,50/ 2,5/ 4,0/6,0		800215



item	order no.	crimping range (mm ²)	suitable for
1	800092	0,5-1,5 1,5-2,5 4,0-6,0	
	800093	0,5-1,5 1,5-2,5	
2	800091	0,5-1,5 1,5-2,5 4,0-6,0	
	800090	0,5-1,5 1,5-2,5 4,0-6,0	
3	800094	0,5/ 0,75/ 1,0/ 1,5 2,5	
4	800095	0,75/ 1,0 1,5/ 2,5 4,0/ 6,0 10,0/ 16	

