

CONSUMER UNITS



- New High Integrity and Dual RCD models are designed with the 17th Edition Wiring Regulations in mind.
- New range include Split Load up to 17 ways, main switch and RCD controlled units.
- Designed to provide the installer with economical solutions to domestic installations from a minimum of components.
- Raised interior allows the routing of cable beneath DIN rail.
- Full DIN rail allowing installation of other modular products.
- Raised mounting feet to assist with installation on uneven surfaces.
- Large selection of easily removable side and rear entry knock outs suiting many cable routes.
- Recessed base provisions for installation using mini trunking.
- Flexible split load units allows configuration on site.
- Taller enclosure to accommodate single module RCBO.
- Circuit identification labels provided to clearly identify outgoing ways.
- Top mounting neutral and earth bars to maximises on internal wiring space.
- Split load busbars can be easily trimmed to provide on-site configuration of consumer unit.
- Hinged protective cover over MCBs and cover fixing screws.
- Solid visor for discreet appearance.
- All units supplied complete with factory fitted main switch and/or RCCB.
- Styled in a neutral finish, the Alto consumer unit should blend with any colour scheme.
- All products conform to the latest European standards.
- Consumer units designed, manufactured and tested to BS EN 60439.
- Quarter turn screws for quick cover release.
- All units feature full DIN rail so timers or bell transformers can be installed.

INSULATED CONSUMER UNITS WITH SWITCH ISOLATOR

17th EDITION COMPLIANT



- Double pole mains isolator controls all MCB ways.
- Complies with BSEN 60439-3.



	Price		Ref. No.
	1	5+	
2 Way, 63A Isolator	24.35	23.40	AL6473
5 Way, 100A Isolator	27.80	26.70	AL6474
8 Way, 100A Isolator	34.20	32.85	AL6475
11 Way, 100A Isolator	41.25	39.60	AL6476

INSULATED CONSUMER UNITS SPLIT LOAD

17th EDITION COMPLIANT



- Double pole mains switch controls all MCB ways. RCCB isolator control for selective MCB ways.
- Complies with BSEN 60439-3.

	Price		Ref. No.
	1	5+	
9 Way Split Load, 100A Switch, 80A/30mA RCCB Isolator	76.65	73.55	AL6483
12 Way Split Load, 100A Isolator 80A/30mA RCCB Isolator	81.30	78.05	AL6484
17 Way Split Load, 100A Isolator 80A/30mA RCCB Isolator	104.90	100.75	AL6485

INSULATED CONSUMER UNITS WITH RCCB ISOLATOR



- RCCB isolator controls all MCB ways.
- Complies with BSEN 60439-3.



	Price		Ref. No.
	1	5+	
2 Way, 63A/30mA RCCB Isolator	61.30	58.85	AL6477
5 Way, 80A/30mA RCCB Isolator	67.10	64.45	AL6478
8 Way, 80A/30mA RCCB Isolator	75.20	72.15	AL6479
11 Way, 100A/30mA RCCB Isolator	88.40	84.90	AL6480

SHOWER UNIT - C/W MCB

17th EDITION COMPLIANT

- 63A 30mA RCCB incomer c/w 1 x 50A MCB.
- Complies with BSEN 60439-3.



	Price		Ref. No.
	1	5+	
Shower Unit c/w MCB	65.95	63.35	AL6481

GARAGE UNIT - C/W MCBS

17th EDITION COMPLIANT

- 40A 30mA RCCB incomer c/w 1 x 6A, 1 x 16A MCB.
- IP44.



	Price		Ref. No.
	1	5+	
Garage Unit c/w MCBS	68.25	65.55	AL6482

INSULATED CONSUMER UNITS HIGH INTEGRITY AND DUAL RCD

17th EDITION
COMPLIANT



	Price		Ref. No.
	1	5+	
High Integrity			
2+4+4, 100A Isolator, 2 x RCCB's	110.80	106.35	AL6493
2+3+3, 100A Isolator, 2 x RCCB's	110.80	106.35	AL6494
4+6+5, 100A Isolator, 2 x RCCB's	116.70	112.00	AL6495
Dual RCD			
5+5, 100A Isolator	99.50	95.60	AL6496
8+7, 100A Isolator	104.90	100.75	AL6497

KIT BOARDS HIGH INTEGRITY

17th EDITION
COMPLIANT



	Price		Ref. No.
	1	5+	
2+4+4, 100A Isolator incl. 7MCBs	140.25	134.65	AL6498
4+6+5, 100A Isolator incl. 9MCBs	152.00	145.95	AL6499

METAL CONSUMER UNITS WITH SWITCH ISOLATOR

17th EDITION
COMPLIANT



- Double pole mains isolator controls all MCB ways.
- Complies with BSEN 60439-3.

	Price		Ref. No.
	1	5+	
2 Way, 63A Isolator	31.85	30.60	AL6486
5 Way, 100A Isolator	38.20	36.65	AL6487
8 Way, 100A Isolator	44.80	43.00	AL6488
11 Way, 100A Isolator	53.05	50.95	AL6489

METAL CONSUMER UNITS WITH RCCB ISOLATOR



- RCCB isolator controls all MCB ways.
- Complies with BSEN 60439-3.

	Price		Ref. No.
	1	5+	
2 Way, 63A/30mA RCCB Isolator	62.50	60.00	AL6490
5 Way, 80A/30mA RCCB Isolator	75.20	72.15	AL6491
8 Way, 80A/30mA RCCB Isolator	84.90	81.50	AL6492

SINGLE PHASE MINIATURE CIRCUIT BREAKERS 6KA



- Din rail mounted, rated 6kA. Suitable for all Alto consumer units and enclosures.
- Complies with BSEN 60898.



		Price		Ref. No.
		1	10+	
6A MCB	Type B	4.85	4.65	AL2751
6A MCB	Type C	6.55	6.35	AL5454
10A MCB	Type B	4.85	4.65	AL2752
16A MCB	Type B	4.85	4.65	AL2753
20A MCB	Type B	4.85	4.65	AL2754
32A MCB	Type B	4.85	4.65	AL2755
40A MCB	Type B	4.85	4.65	AL2756
50A MCB	Type B	4.85	4.65	AL2757
Blanking Plate 1 Module		0.60	0.55	AL2758

SINGLE MODULE RCBS, TYPE C



- Type C, 6kA.
- 18mm wide.
- Complies with BSEN 61009.



		Price		Ref. No.
		1	5+	
6A/30mA RCBO		54.00	51.90	AL2759
10A/30mA RCBO		54.00	51.90	AL6465
16A/30mA RCBO		54.00	51.90	AL2760
20A/30mA RCBO		54.00	51.90	AL6466
32A/30mA RCBO		54.00	51.90	AL2761
40A/30mA RCBO		54.00	51.90	AL6467

DOUBLE POLE RCBS



	Price		Ref. No.
	1	5+	
6A/30mA RCBO	70.70	67.90	AL6468
10A/30mA RCBO	70.70	67.90	AL6469
16A/30mA RCBO	70.70	67.90	AL6470
20A/30mA RCBO	70.70	67.90	AL6471
32A/30mA RCBO	70.70	67.90	AL6618
40A/30mA RCBO	70.70	67.90	AL6472

TWO MODULE RCCBS, TYPE B



- Accepts cable wiring up to 25mm².
- Complies with BSEN 61008.

	Price		Ref. No.
	1	5+	
16A/30mA RCCB	35.20	33.85	AL2762
25A/30mA RCCB	35.20	33.85	AL2763
40A/30mA RCCB	34.70	34.15	AL2764
63A/30mA RCCB	39.90	38.35	AL2765
80A/30mA RCCB	48.65	46.70	AL2766
100A/30mA RCCB	65.10	62.65	AL2767
80A/100mA RCCB	48.65	46.70	AL2768
100A/100mA RCCB	65.10	62.65	AL2769

DOUBLE POLE MAIN SWITCH - 100A



- Category of duty AC21.
- Shrouded terminals.
- Positive contact position indication
- Complies with BSEN 60947-3.



	Price		Ref. No.
	1	5+	
100A Double	12.05	11.60	AL2774

ENCLOSURES



- Complete with din rail.
- Complete with earth stud - steel version.



	Price		Ref. No.
	1	5+	
Moulded - 2 Module IP40	3.95	3.80	AL2776
Moulded - 3 Module IP65	12.10	11.60	AL2777
Steel - 4 Module IP40	15.50	15.00	AL2778

INTEGRAL CONTROL DEVICES

SINGLE CHANNEL ANALOGUE - 24 HOUR TIME



- 1 module width.
- 1 contact N/O.
- Shortest switch time 30 minutes.



	Price		Ref. No.
	1	5+	
Single Channel Analogue - 24 Hour Time	39.30	37.80	AL2775

SINGLE CHANNEL DIGITAL - 24 HOUR 7 DAY



- 1 module width.
- 1 contact C/O.
- Shortest switch time 1 minute.
- Holiday programme.



	Price		Ref. No.
	1	5+	
Single Channel Digital - 24 Hour 7 Day	82.80	79.60	AL2772

TWO CHANNEL DIGITAL - 24 HOUR 7 DAY



- 2 module width.
- 2 contact C/O.
- Shortest switch time 1 minute.
- Holiday programme.



	Price		Ref. No.
	1	5+	
Two Channel Digital - 24 Hour 7 Day	113.40	108.90	AL2773

BELL TRANSFORMER



- 2 module width.
- 12v 8VA output.



	Price		Ref. No.
	1	5+	
Bell Transformer	22.65	21.80	AL2770

FUSES

BS 646 FUSES



WHILST STOCKS LAST

- Colour coded for easy identification.
- Suitable for shaver adaptors, dimming switches and plug top nightlights.



	Colour	Price		Ref. No.
		1	5+	
1A Domestic (Pack of 10)	Green	1.05	1.00	AL2729
2A Domestic (Pack of 10)	Yellow	1.05	1.00	AL2730
3A Domestic (Pack of 10)	Black	1.05	1.00	AL2731
5A Domestic (Pack of 10)	Red	1.05	1.00	AL2732

CONTACTOR 20A DOUBLE POLE



- 1 module width.
- DP 20A rates.
- Rated AC1-AC7A.



	Price		Ref. No.
	1	5+	
Contactor 20A Double Pole	27.05	26.00	AL2771

BS 1362 FUSES



- Traditional plug top fuse.
- Available in packs of 10.



	Price		Ref. No.
	1	5+	
2A Domestic (Pack of 10)	2.20	2.10	AL2718
3A Domestic (Pack of 10)	2.20	2.10	AL2719
5A Domestic (Pack of 10)	2.20	2.10	AL2720
10A Domestic (Pack of 10)	2.20	2.10	AL2722
13A Domestic (Pack of 10)	2.20	2.10	AL2723

FERRULE CAP FUSES

BS 1361 FERRULE CAP FUSES



- 240V AC rated voltage.
- For the protection of outgoing circuits in domestic consumer units.



	Colour	Price		Ref. No.
		1	5+	
5A HRC Consumer Unit	White	1.25	1.15	AL2724
15A HRC Consumer Unit	Blue	1.90	1.80	AL2725
20A HRC Consumer Unit	Yellow	2.00	1.90	AL2726
30A HRC Consumer Unit	Red	2.30	2.20	AL2727
45A HRC Consumer Unit	Green	5.70	5.50	AL2728

COMPARISON CHART

Rating Amps	Equivalent MEM	Equivalent MK	Equivalent GEC
5	5LC	604	D55
15	15LC	605	D1515
20	20LC	603	D1520
30	30LC	606	D3030
45	45LCS	-	D4545

HOUSE SERVICE PATTERN FUSES

BS 1361 HOUSE PATTERN CUT-OUT FUSES



- 415V AC rated voltage.
- For use in conventional house cut outs.
- ASTA approved.



	Price		Ref. No.
	1	5+	
60A House Pattern	7.45	7.10	AL2715
80A House Pattern	10.40	10.00	AL2716

COMPARISON CHART

Rating Amps	Equivalent MEM	Equivalent GEC	Equivalent BUSSMAN
15	154R	RHF15	15KR85
20	204R	RHF20	20KR85
30	304R	RHF30	30KR85
40	404R	RHF40	40KR85
45	454R	-	45KR85
50	504R	RHF50	50KR85
60	604R	RHF60	60KR85
70	704R	RHF70	70KR85
80	804R	RHF80	80KR85

NEW DATACOMS CATALOGUE AVAILABLE

The new Datacoms catalogue includes virtually every type of product needed for most installations plus details of a new one day course to gain the all important certification.

The course covers all the crucial aspects of Cat 5E and Cat 6



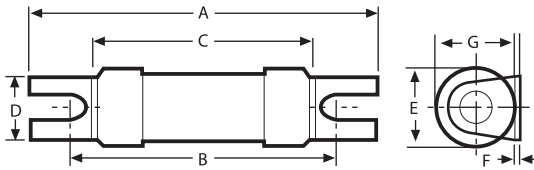
FUSES - BS 88 CARTRIDGE

- A range of industrial and commercial fuses for use in a wide range of applications.
- High rupturing capacity (HRC) with bolted connections are for use in industrial and commercial installations and may be fitted in fuse-units or fuse gear.
- Two hole fixing.
- Breaking capacity 80kA at 415V AC.
- The fuse-links comply with the revised standard BS 88: Part 2: IEC 60269 Part 2 specifying characteristics for fuse-links for use by authorised persons (mainly for industrial applications) and additional requirements for use-links with bolted connections.
- Supplied in packs of 3.

INDUSTRIAL FUSES CROSS REFERENCE CHART

Description	ALTO	Bussmann	GE	MEM	Lawson
1 AMP FUSE , PLUG TOP	AL2717	TDC180-1A			PL1
2 AMP FUSE , PLUG TOP	AL2718	TDC180-2A			PL2
3 AMP FUSE , PLUG TOP	AL2719	TDC180-3A			PL3
5 AMP FUSE , PLUG TOP	AL2720	TDC180-5A			PL5
7 AMP FUSE , PLUG TOP	AL2721	TDC180-7A			PL7
10 AMP FUSE , PLUG TOP	AL2722	TDC180-10A			PL10
13 AMP FUSE , PLUG TOP	AL2723	TDC180-13A			PI13
BS 88 ref A1 2 AMPS	AL2691	NITD2	NIT2	2SA2	NIT2
BS 88 ref A1 4 AMPS	AL2692	NITD4	NIT4	4SA2	NIT4
BS 88 ref A1 6 AMPS	AL2693	NITD6	NIT6	6SA2	NIT6
BS 88 ref A1 10 AMPS	AL2694	NITD10	NIT10	10SA2	NIT10
BS 88 ref A1 16 AMPS	AL2695	NITD16	NIT16	16SA2	NIT16
BS 88 ref A1 20 AMPS	AL2696	NITD20	NIT20	20SA2	NIT20
BS 88 ref A1 25 AMPS	AL2697	NITD25	NIT25	25SA2	NIT25
BS 88 ref A1 32 AMPS	AL2698	NITD32	NIT32	32SA2	NIT32
BS 88 ref A2 2 AMPS	AL2699	AAO32	TIA2	2SB3	TIA2
BS 88 ref A2 4 AMPS	AL2700	AAO4	TIA4	4SB3	TIA4
BS 88 ref A2 6 AMPS	AL2701	AAO6	TIA6	6SB3	TIA6
BS 88 ref A2 10 AMPS	AL2702	AAO10	TIA10	10SB3	TIA10
BS 88 ref A2 16 AMPS	AL2703	AAO16	TIA16	16SB3	TIA16
BS 88 ref A2 20 AMPS	AL2704	AAO20	TIA20	20SB3	TIA20
BS 88 ref A2 25 AMPS	AL2705	AAO25	TIA25	25SB3	TIA25
BS 88 ref A2 32 AMPS	AL2706	AAO32	TIA32	32SB3	TIA32
BS 88 ref A3 40 AMPS	AL2707	BAO40	TIS40	40SB4	TIS40
BS 88 ref A3 50 AMPS	AL2708	BAO50	TIS50	50SB4	TIS50
BS 88 ref A3 63 AMPS	AL2709	BAO63	TIS63	63SB4	TIS63
BS 88 ref A4 80 AMPS	AL8625	CEO80	TCP80	80SD5	TCP80
BS 88 ref A4 100 AMPS	AL2711	CEO100	TCP100	100SD5	TCP100
BS 88 ref A1 20A MOTOR RATED 32A	AL2712	NITD20M32	NIT20M32	20SA2M32	NIT20M32
BS 88 ref A2 32A MOTOR RATED 40A	AL2713	AAO32M40	TIA32M40	32SBM40	TIA32M40
BS 88 ref A3 63A MOTOR RATED 100A	AL2714	BAO63M100	TIS63M80	63SB4M100	TIS63M80
HOUSE CUT-OUT FUSE 60A	AL2715	60KR85			
HOUSE CUT-OUT FUSE 80A	AL2716	80KR85			
CONSUMER UNIT FUSE 5A	AL2724	C55			LA5
CONSUMER UNIT FUSE 15A	AL2725	C1515			LC15
CONSUMER UNIT FUSE 20A	AL2726	C1520			L20
CONSUMER UNIT FUSE 30A	AL2727	C3030			LD30
CONSUMER UNIT FUSE 45A	AL2728	C4545			LK45
BS646 1AMP	AL2729	TDC17-1A			
BS646 2AMP	AL2730	TDC17-2A			
BS646 3AMP	AL2731	TDC17-3A			
BS646 5AMP	AL2732	TDC17-5A			

FUSES - BS 88 CARTRIDGE NITD TYPE

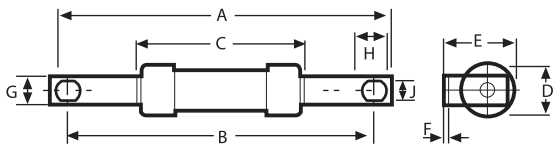


- Industrial HRC fuse links - type A1.
- Offset bolted tags 550V AC.
- 415V AC for motor rated fuse links.
- BS 88: Part 1 + 2 1988.
- IEC 269-11986.
- Pack of 3.



Rating Amps	Rated Voltage	Dimensions mm								Price per Pack		Ref. No.
		A	B	C	D	E	F	G	1	5+		
2	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	4.95	4.85	AL2691	
4	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	4.95	4.85	AL2692	
6	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	4.95	4.85	AL2693	
10	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	6.45	6.25	AL2694	
16	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	6.45	6.25	AL2695	
20	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	6.45	6.25	AL2696	
25	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	7.55	7.25	AL2697	
32	550V AC	55.0	44.5	34.6	11.2	13.8	0.8	14.0	7.55	7.25	AL2698	
20-MR32	415V AC	55.0	44.5	35.6	11.2	17.5	1.2	18.5	10.05	9.65	AL2712	

FUSES - BS 88 CARTRIDGE AAO TYPE

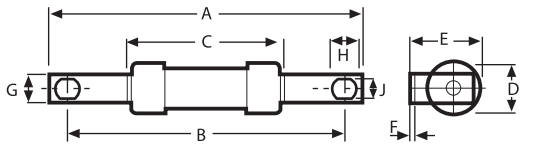


- Industrial HRC fuse links - type A2.
- Offset bolted tags 550V AC.
- 550V AC for rated voltage.
- BS 88: Part 1 + 2 1988.
- IEC 269-11986.
- Pack of 3.



Rating Amps	Dimensions mm									Price per Pack		Ref. No.
	A	B	C	D	E	F	G	H	J	1	5+	
2	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	6.95	6.65	AL2699
4	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	6.95	6.65	AL2700
6	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	6.95	6.65	AL2701
10	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	8.25	7.85	AL2702
16	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	8.25	7.85	AL2703
20	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	8.25	7.85	AL2704
25	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	10.45	9.95	AL2705
32	85.0	73.5	35.5	13.7	14.0	1.2	8.7	8.0	5.5	10.45	9.95	AL2706
32-MR40	85.0	73.5	54.5	21.0	22.3	1.2	8.7	8.0	5.5	12.65	12.25	AL2713

FUSES - BS 88 CARTRIDGE BAO TYPE

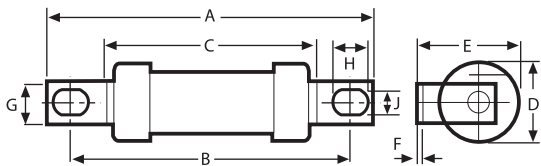


- Industrial HRC fuse links - type A3.
- Offset bolted tags 550V AC.
- 550V AC for rated voltage.
- BS 88: Part 1 + 2 1988.
- IEC 269-11986.
- Pack of 3.



Rating Amps	Dimensions mm									Price per Pack		Ref. No.
	A	B	C	D	E	F	G	H	J	1	5+	
40	87.0	73.5	54.5	21.0	22.5	1.2	12.7	8.0	5.5	14.75	14.25	AL2707
50	87.0	73.5	54.5	21.0	22.5	1.2	12.7	8.0	5.5	16.75	16.10	AL2708
63	87.0	73.5	54.5	21.0	22.5	1.2	12.7	8.0	5.5	19.05	18.30	AL2709
63-MR100	87.0	73.5	54.5	21.0	22.5	1.2	12.7	8.0	5.5	34.80	31.35	AL2714

FUSES - BS 88 CARTRIDGE CEO TYPE



- Industrial HRC fuse links - type A4.
- Offset bolted tags 550V AC.
- 550V AC for rated voltage.
- BS 88: Part 1 + 2 1988.
- IEC 269-11986.
- Pack of 3.



Rating Amps	Dimensions mm									Price per Pack		Ref. No.
	A	B	C	D	E	F	G	H	J	1	5+	
80	110.0	94.0	58.5	21.0	24.5	3.2	14.3	11.0	8.7	25.00	23.90	AL2710
100	110.0	94.0	58.5	21.0	24.5	3.2	14.3	11.0	8.7	25.00	23.90	AL2711

SPECIALIST FUSE DIVISION

We offer the largest stock and the widest range of specialist fuses under one roof. No minimum order quantity

- Miniature (glass/ceramic)
- French Industrial
- Bottle
- Continental NH
- BS88
- J Types
- Street Lighting Types
- House Service Cut-outs
- Motor Rated
- American
- Fork Lift Truck
- BS88 Rectifier



Contact your local WF branch for further details