Alarm Fuse Terminal Type AFT

Screw Clamp Connections

AFT Common Input/Common Alarm
50V 9A

48 **64**

Thickness 12mm

AFT Series provides complete modular system for mounting PO44A fuses. Systems can be easily built up on TS32 rail and then fitted into cubicles, panels etc.
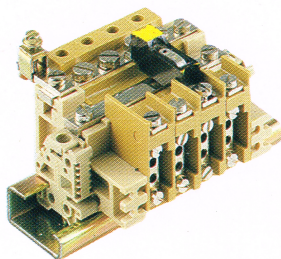
Combination of System

Common Inputs
Common Alarms
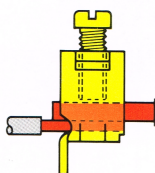Individual Inputs
Individual Alarms etc.

Extra ways can be added for future extension.

The modern styles of the AFT will blend with other parts of the equipment and would enhance its appearance.
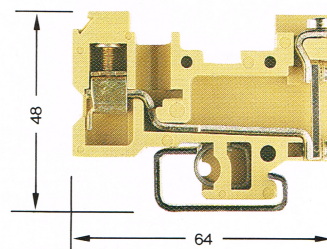
All known requirements of PO44A fuse holders have been met e.g. paint slot for rating identification/correct screw sizes. Special finish on alarm rail. More than 3 turns of thread are provided on all screws. Clamps or ring type connections can be used on the alarm or main busbar.
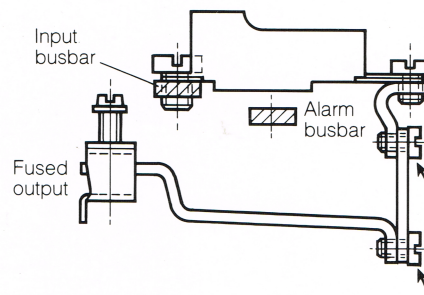

Technical Data			
Conductor size	Solid (mm²)	0.5–10	
	Stranded (mm²)	0.5–6	
Insulation stripping length	(mm)	13	
Fuse type		PO 44/A	
Ordering Data			**Cat. No.**
Moulding material	Melamine ●		033322
When ordering EEx'e' and Ex'N' terminals, add suffix 'e' or 'N' to the catalogue number			
Approvals			
All Approvals are listed in Approvals Guide		CEGB ⑤	
Terminal Rail (2m)			
	Steel	TS 32	012280
	Steel (M6 Slots)	TS 32	067610
Locking pin (1m) — optional	Steel	SST 3	015270
End Bracket (thickness mm)			
End Plate (thickness mm)			
	Melamine ●	AP (1.5)	033302
Support Bracket (thickness mm)			
		SBr (10.5)	033316
Busbar Connection			
Includes current rail and yoke with screw		BBC	035220
Alarm Busbar			
Standard length 25 ways		ABB	033340
Available 1–50 ways on request			
Main Busbar			
Standard length 25 ways		MBB	033330
Available 1–50 ways on request			
Spare Screw			
For ABB location		BS (M4 x 9)	020920
Marking Tags			
All marking systems are shown in Section T6		DEKAFIX — Section T6	

Input busbar

Alarm busbar

Fused output

(↑ = spring washer fitted)

For additional accessories see Section T6

AFT
50V 9A   Common Input/Common Alarm

AFT
50V 9A   Individual Input/Common Alarm
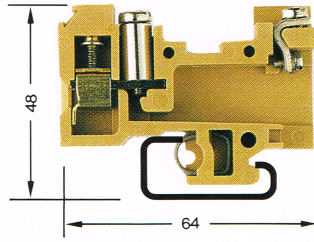
AFT
50V 9A   Common Input/Common Alarm

Thickness 12mm | **Thickness 12mm** | **Thickness 12mm**
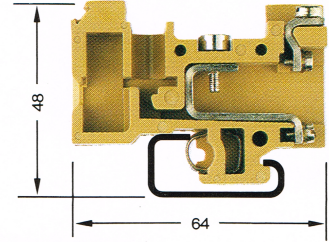
	Col 1	Col 2 Cat. No.	Col 3	Col 4 Cat. No.	Col 5	Col 6 Cat. No.
	0.5–10		0.5–10		0.5–10	
	0.5–6		0.5–6		0.5–6	
	13		13		13	
	PO 44/A		PO 44/A		PO 44/A	
		050042		035232		035242
	CEGB Ⓢ		CEGB Ⓢ		CEGB Ⓢ	
	TS 32	012280	TS 32	012280	TS 32	012280
	TS 32	067610	TS 32	067610	TS 32	067610
	SST 3	015270	SST 3	015270	SST 3	015270
	AP (1.5)	033302	AP (1.5)	033302	AP (1.5)	033302
	SBr (10.5)	033316	SBr (10.5)	033316	SBr (10.5)	033316
	BBC	035220	BBC	035220	BBC	035220
	ABB	033340	ABB	033340	ABB	033340
	MBB	033330	MBB	033330	MBB	033330
	BS (M4 x 9)	020920	BS (M4 x 9)	020920	BS (M4 x 9)	020920

Input busbar

Alarm busbar

Fused output

R

(↑ = spring washer fitted)

Alarm busbar

Fused output

(↑ = spring washer fitted)

Input busbar

Alarm

Fused output
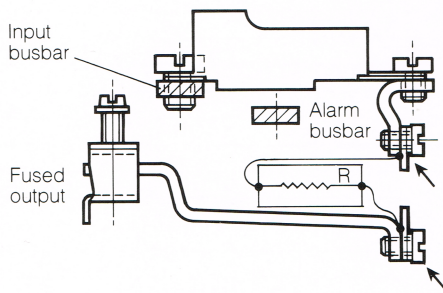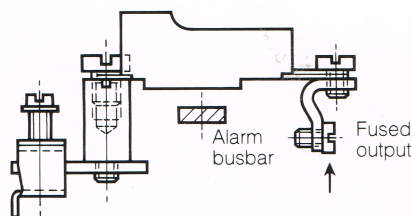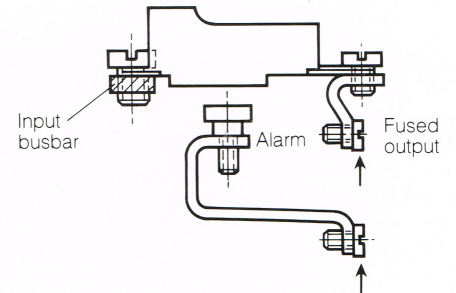
(↑ = spring washer fitted)

DEKAFIX — Section T6 | DEKAFIX — Section T6 | DEKAFIX — Section T6

Alarm Fuse Terminal
Type AFT
Screw Clamp Connections

AFT
50V 9A

Individual Input/Individual Alarm

48

64

Thickness 12mm

Technical Data		
Conductor size	Solid (mm²)	0.5–10
	Stranded (mm²)	0.5–6
Insulation stripping length	(mm)	13
Fuse type		PO 44/A

Ordering Data		Cat. No.
Moulding material	Melamine ●	035252
When ordering EEx'e' and Ex'N'		
terminals, add suffix 'e' or 'N' to the		
catalogue number		

Approvals	
All Approvals are listed	CEGB Ⓢ
in Approvals Guide	

Terminal Rail (2m)			
	Steel	TS 32	012280
	Steel (M6 Slots)	TS 32	067610
Locking pin (1m) — optional	Steel	SST 3	015270

End Bracket (thickness mm)		
	EWK 1 (8.5)	020616

End Plate (thickness mm)		
Melamine ●	AP (1.5)	033302

Support Bracket (thickness mm)

Busbar Connection
Includes current rail and yoke with screw

Alarm Busbar
Standard length 25 ways
Available 1–50 ways on request

Main Busbar
Standard length 25 ways
Available 1–50 ways on request

Spare Screw
For ABB location

Alarm

Fused output

(↑ = spring washer fitted)
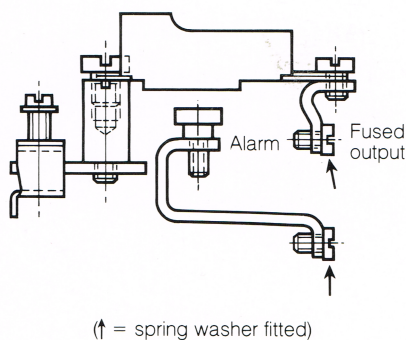
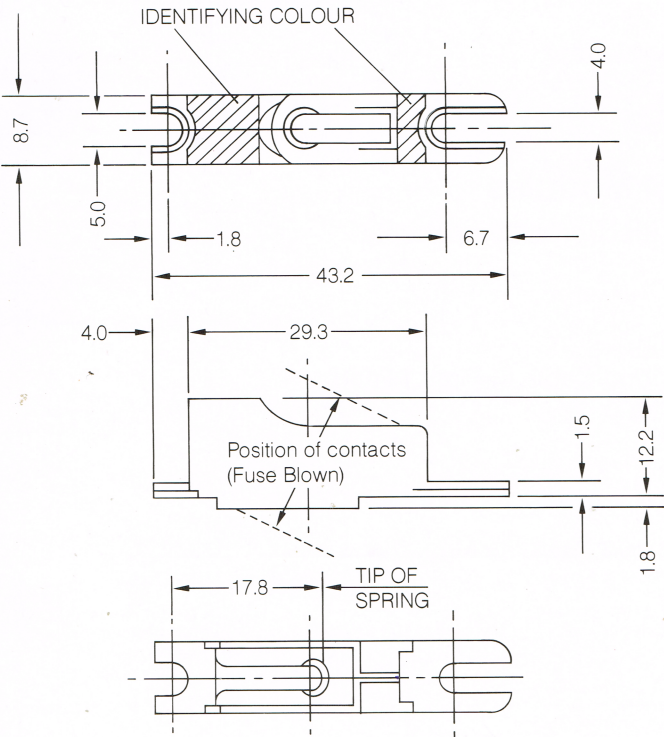| Marking Tags	
All marking systems are shown in Section T6	DEKAFIX — Section T6

For additional accessories see Section T6

P044/A Fuses

Low voltage alarm and indicating mounting fuselink
Phenolic moulded body

IDENTIFYING COLOUR

8.7

5.0

1.8 | 6.7

43.2

4.0

4.0 | 29.3

Position of contacts
(Fuse Blown)

1.5

12.2

1.8

17.8 | TIP OF SPRING

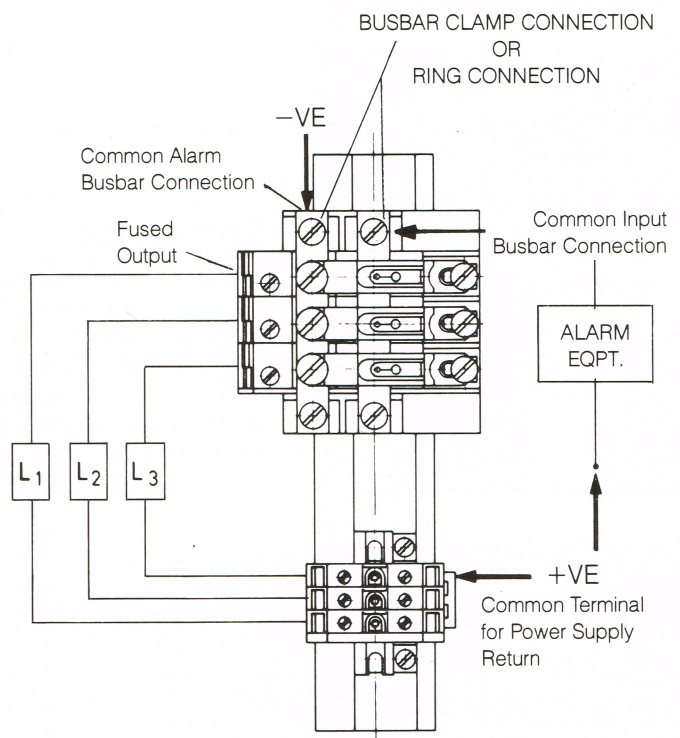| % RATED CURRENT	PERFORMANCE DATA					
	100		150		220	
	MIN	MAX	MIN	MAX	MIN	MAX
PERFORMANCE	1000 HRS	—	10 SEC	—	—	30 SEC

ENVELOPE CHARACTERISTIC CURVE
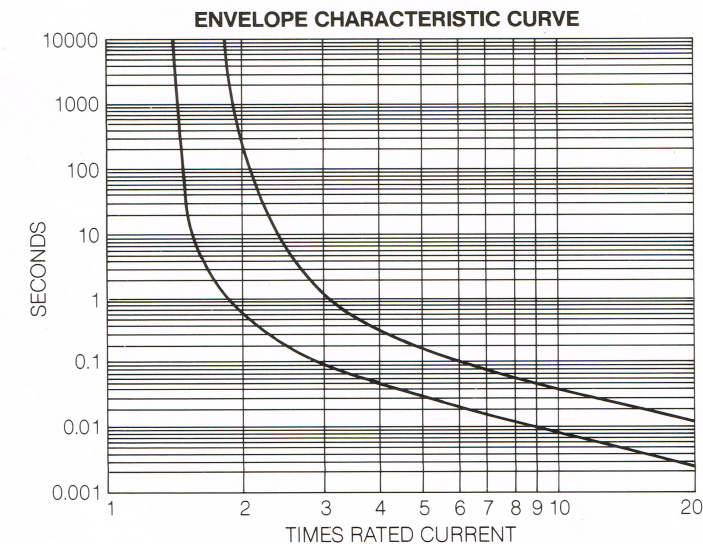
With acknowledgement to Kenneth E. Beswick Ltd.

Standard Fuse		Cat. No.	Non-standard Fuses (coded to TDP 44 and rating otherwise to PO specification)		Cat. No.
.25A	Brown	043420	.75A	Salmon Pink	043510
.5A	lt. French Blue	043430	2.5A	Orange	043520
1A	Lemon	043440	3.5A	Blue & Black	043530
1.5A	Red	043450	4.5A	Dark Brown	043540
2A	Violet	043460	9A	Orange & White	043550
3A	Black	043470	15A	Orange & Green	381870
4A	Grey	043480			
5A	Green	043490			
6A	White	043500			

A typical 3-way assembly with Common Input and Common Alarm as illustrated would be built up as follows:-

3	Terminal Blocks	AFT 033322
2	End Section	AP 033302
2	Support Brackets	SBr 033316
1	Alarm Busbar	ABB 3 ways
1	Main Busbar	MBB 3 ways
2	Busbar Connections	Busbar connections can be made by ring crimps, etc., or by screw clamp connector type BBC 035220

Plus 3 ways of SAKR, or SAK 2.5 if required, for return connection all mounted on a suitable length of TS 32 channel.

BUSBAR CLAMP CONNECTION
OR
RING CONNECTION

−VE

Common Alarm
Busbar Connection

Fused
Output

Common Input
Busbar Connection

ALARM
EQPT.

L₁ L₂ L₃

+VE

Common Terminal
for Power Supply
Return

Note:-

Standard SAK terminal blocks can also be mounted on the TS 32 assembly rail for the +VE terminations.

We suggest:-

SAKR for disconnect connections (cross connect, using the required length of QB 25 013400, as necessary).

SAK 2.5 for feed-through connections (cross connect using the required length of QL as necessary).