Glossary



Insulation Material: This refers to the colour and general specification, which governs both the operational temperatures* and flammability rating. The following table lists the material, maximum temperature and flammability rating options for the components listed:

Туре	Description	Max. Temp. (Continuous)	UL94-		
1	Nylon 6 natural	85°C	V2		
2	Nylon 6 natural	110°C	V2		
3	Nylon 6 black	125°C	V2		
4	Nylon 6 white	125°C	V0		
5	Nylon 6 grey	110°C	V2		
6	Nylon 6.6 natural	70°C**	V2		

Туре	Description	Max. Temp. (Continuous)	UL94-	
7	Nylon 6.6 natural	110°C	V2	
8	Nylon 6.6 natural	125°C	V2	
9	Nylon 6.6 white	100°C	V2	
10	Nylon 6.6 black	110°C	V2	
11	Glass-filled Nylon 6.6 brown	150°C	V0	

^{*} Note: The same material will achieve different maximum temperatures, depending on the test requirements of the component.

Flammability: A measurement of a material's ability to resist burning (Flame Retardation). Plastic materials are commonly classified in accordance with the American (Underwriter's Laboratories Inc.) test for fire resistance — UL94 and are given the classification codes VO, V1, V2 or HB, however, V1 and HB coded materials are not listed in this publication.

- V0 is the most demanding classification, not permitting a flame to continue for 10 seconds or more, after the material has been set aflame and the burner removed in the prescribed manner.
- V2 classified materials are subjected to the same test but flaming must not continue for 30 seconds, or more.

There are other tests applied to materials to obtain these classifications. Here again, the VO requirement is the more demanding.

Poles: This refers to the number of individual contact ways per terminal block.

Current & Voltage Rating: These are stated in accordance with the latest EN60998 standard. If product is required to be compliant to a different standard, please enquire.

Nominal Cable Size: This is the nominal maximum square mm conductor size that will fit in the terminal.

Approvals: The following approvals have been obtained for products listed in this catalogue:

□ A=IMQ, B=VDE, C=UL (Listed or Recognised), D=CSA, E= cURus, F=DEMKO, G=KEMA, H=NEMKO, I=ENEC.

Pillar Terminals: The common name for terminal strips with pillar or chimney shaped finger protection, situated above the terminal screws. A fixing hole is located between each pole. Cutting to the required number of poles is done at this point.

Note: All the standard pillar terminal blocks are moulded as a 12 pole but most can also be supplied pre-cut to customer's individual requirements. e.g. 3 pole or 6 pole. Please enquire for Catalogue No. price and availability.

The following features are all associated with pillar terminals: Terminal Inserts — All our inserts are manufactured in nickel-plated brass. The following options are available, depending on the terminal block style (see the main body of the catalogue for availability).

Through hole — This is the type most commonly used. Care must be exercised when terminating in these inserts since conductors can be inserted too far, interfering with connections on the opposite side.

Solid Barrier — This type of insert has a blind hole to prevent over insertion of the conductor which can ensure a more reliable connection on both sides.

Wire Protectors: These are made of Stainless Steel and are designed to interface between the terminal screws and the conductors to minimise the possibility of cable damage. Their usefulness depends on the cable types used, the cable preparation and/or the types of application. They are available in through wire and barrier wire protected versions.





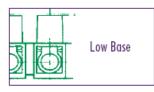


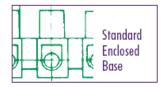


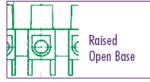
Terminal Screws: All screws are manufactured in zinc passivated steel. They are "captive" and supplied in the raised position ready for use

Terminal Bases: Available in three basic versions:

- Low Base (LB) Usually specified when mounting on insulated surfaces and/or where height is restricted.
- Standard Enclosed Base (SEB)— Usually designed to comply with the relevant European Norms for creepage and clearance distances.
- Raised Open Base (ROB)— Extra high base usually required to meet particularly stringent creepage and clearance requirements in certain applications.







^{**} This maximum temperature is due to the temperature limitation of the in-line fuse used.

Standard Nylon Pillar Style Terminal Blocks



This range has been specially selected to provide for a wide variety of customer applications. $Most\ products\ carry\ European\ and\ North\ American\ approval, copies\ of\ which\ are\ available\ on\ request.$

- ☐ Termination options (wire protection, barrier)
- ☐ Versions available for high temperature applications
- ☐ Cutting service available, please ask for details
- ☐ Individual Data Sheets available on request.



When enquiring, please state Base Ref. No., Material Code and No. of Poles. We will then confirm the precise catalogue number

Base Ref. No.	Current Rating	Voltage Rating	Nominal Cable size	Insert Hole Ø (mm)	Terminal screw	Insulation Material See Glossary	Approvals See Glossary	Fixing Hole Centres (mm)	Fixing Hole Diameter. (mm)	Wire Protection	Barrier	Base Style	Pack Qty
PA35	24A	450V	2.5mm²	2.9	M3	8, 11	ABCDE!*	8	2.6	no	no	SEB	500
PA35WP	17.5A	450V	1.5mm ²	2.9	M3	8, 11	A B C D E F I*	8	2.6	yes	no	SEB	500
1013430012	24A	450V	2.5mm²	3.0	M3	2,4	BCDFI	8	2.8	no	по	ROB	500
1013432012	24A	450V	2.5mm ²	3.0	M3	2,4	BCDFI	8	2.8	yes	no	ROB	500
PA27	32A	450V	4mm²	3.2	M3	8, 11	ABCDE!*	10	3.2	no	no	SEB	500
PA27WP	24A	450V	2.5mm²	3.2	M3	8, 11	ABCDE1*	10	3.2	yes	no	SEB	500
1013500012	32A	400V	4mm ²	3.6	M3	2, 4, 11	BCDFG	10	3.5	no	no	SEB	500
1013503012	32A	450V	4mm ²	3.6	M3	2, 4, 11	BCDFG	10	3.5	yes	yes	SEB	500
1013530012	32A	450V	4mm ²	3.6	M3	2, 4	BCDFG	10	3.5	no	no	ROB	500
1013533012	32A	450V	4mm ²	3.6	M3	2,4	BCDFG	10	3.5	yes	yes	ROB	500
1013536012	32A	450V	4mm²	3.6	M3	2,4	BCDFG	10	3.5	no	yes	ROB	500
PA44	41A	750V	6mm²	4.0	M3.5	7, 11	ABCDE1*	12	3.2	no	no	SEB	200
PA44WP	32A	750V	4mm ²	4.0	M3.5	7, 11	ABCDE!*	12	3.2	yes	no	SEB	200
1013900012	41A	750V	6mm ²	4.1	M3.5	2, 4, 11	BCDFI	12	3.6	no	NO	SEB	200
1013902012	41A	750V	6mm²	4.1	M3.5	2, 4, 11	BCDFI	12	3.6	yes	no	SEB	200
4-832F-1-4-12	32A	450V	10mm ²	4.0	M3.5	9	В	11.5	4.0	no	no	SEB	200
PA76	57A	750V	10mm ²	5.0	M4	8, 11	ABCDE	15	4.2	no	no	SEB	200
PA76WP	41A	750V	6mm²	5.0	M4	8, 11	ABCDE	15	4.2	yes	no	SEB	200
PA76FV912	57A	750V	10mm ²	5.0	M4	11	ABCDE	15	4.2	no	yes	SEB	200
1023900012	57A	750V	10mm ²	4.8	M4	2, 4	BCD	13.5	4.3	no	⊗no	SEB	100
1023903012	57A	750V	10mm ²	4.8	M4	2,4	BCD	13.5	4.3	yes	yes	SEB	100
PA220	76A	750V	16mm²	5.5	M5	7, 11	ABCDE	15	4.5	no	no	SEB	100
1013800012	76A	750V	16mm²	6.3	M5	2,4,11	BCDI	14.5	4.3	no	no	LB	100
1013802012	76A	750V	16mm ²	6.3	M5	2, 4, 11	BCDI	14.5	4.3	yes	yes	LB	100
1013850012	76A	750V	16mm²	6.3	M5	2, 4, 11	BCDI	14.5	4.3	no	no	SEB	100
1013852012	76A	750V	16mm²	6.3	M5	2, 4, 11	BCDI	14.5	4.3	yes	yes	SEB	100

Dimensions

*ENEC approved, except version with insulation material 11 (glass filled nylon 6.6 brown)

		12 Pole Strips	
Base Reference No.	W (mm)	D (mm)	H (mm)
PA35/PA35/WP	93.5	15	15.2
10134312	94	16.1	17.7
PA27/PA27WP	117	20	17.8
10135012	117	20	15.5
10135312	117	20	18.5
PA44/PA44/WP	139.3	23	20
10139012	140	22	19
4-832F-1-4-12	135.5	23.1	19
PA76/ PA76FV912	174.5	25	25.5
10239012	157.5	25	24.7
PA220FV	175.20	30	32
10138012	171	30	24
10138512	171	30	27

