

# 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:

Type	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

Type	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.

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

**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 V0, 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 V0 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.

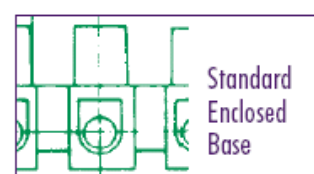
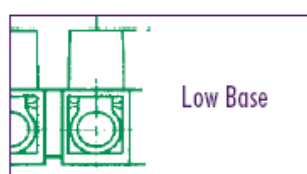
**Wire Protectors:** These are made of Stainless Steel and are designed to interface between the terminal screws and the conductors to minimise the possibility of cable damage. Their usefulness depends on the cable types used, the cable preparation and/or the types of application. They are available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



## 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.



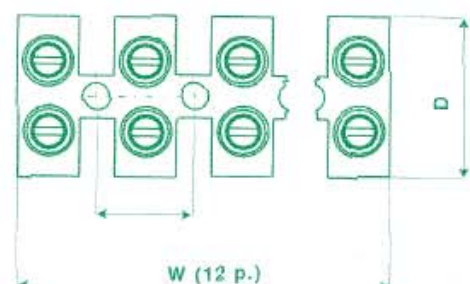
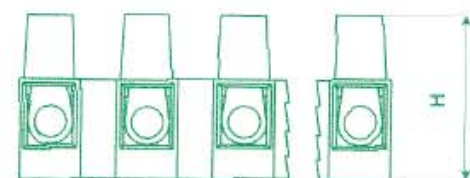
When enquiring, please state Base Ref. No., Material Code and No. of Poles. We will then confirm the precise catalogue number

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	2.5mm <sup>2</sup>	2.9	M3	8, 11	A B C D E I*	8	2.6	no	no	SEB	500
PA35WP	17.5A	450V	1.5mm <sup>2</sup>	2.9	M3	8, 11	A B C D E F I*	8	2.6	yes	no	SEB	500
1013430012	24A	450V	2.5mm <sup>2</sup>	3.0	M3	2, 4	B C D F I	8	2.8	no	no	ROB	500
1013432012	24A	450V	2.5mm <sup>2</sup>	3.0	M3	2, 4	B C D F I	8	2.8	yes	no	ROB	500
PA27	32A	450V	4mm <sup>2</sup>	3.2	M3	8, 11	A B C D E I*	10	3.2	no	no	SEB	500
PA27WP	24A	450V	2.5mm <sup>2</sup>	3.2	M3	8, 11	A B C D E I*	10	3.2	yes	no	SEB	500
1013500012	32A	400V	4mm <sup>2</sup>	3.6	M3	2, 4, 11	B C D F G	10	3.5	no	no	SEB	500
1013503012	32A	450V	4mm <sup>2</sup>	3.6	M3	2, 4, 11	B C D F G	10	3.5	yes	yes	SEB	500
1013530012	32A	450V	4mm <sup>2</sup>	3.6	M3	2, 4	B C D F G	10	3.5	no	no	ROB	500
1013533012	32A	450V	4mm <sup>2</sup>	3.6	M3	2, 4	B C D F G	10	3.5	yes	yes	ROB	500
1013536012	32A	450V	4mm <sup>2</sup>	3.6	M3	2, 4	B C D F G	10	3.5	no	yes	ROB	500
PA44	41A	750V	6mm <sup>2</sup>	4.0	M3.5	7, 11	A B C D E I*	12	3.2	no	no	SEB	200
PA44WP	32A	750V	4mm <sup>2</sup>	4.0	M3.5	7, 11	A B C D E I*	12	3.2	yes	no	SEB	200
1013900012	41A	750V	6mm <sup>2</sup>	4.1	M3.5	2, 4, 11	B C D F I	12	3.6	no	no	SEB	200
1013902012	41A	750V	6mm <sup>2</sup>	4.1	M3.5	2, 4, 11	B C D F I	12	3.6	yes	no	SEB	200
4-832F-1-4-12	32A	450V	10mm <sup>2</sup>	4.0	M3.5	9	B	11.5	4.0	no	no	SEB	200
PA76	57A	750V	10mm <sup>2</sup>	5.0	M4	8, 11	A B C D E	15	4.2	no	no	SEB	200
PA76WP	41A	750V	6mm <sup>2</sup>	5.0	M4	8, 11	A B C D E	15	4.2	yes	no	SEB	200
PA76FV912	57A	750V	10mm <sup>2</sup>	5.0	M4	11	A B C D E	15	4.2	no	yes	SEB	200
1023900012	57A	750V	10mm <sup>2</sup>	4.8	M4	2, 4	B C D	13.5	4.3	no	no	SEB	100
1023903012	57A	750V	10mm <sup>2</sup>	4.8	M4	2, 4	B C D	13.5	4.3	yes	yes	SEB	100
PA220	76A	750V	16mm <sup>2</sup>	5.5	M5	7, 11	A B C D E	15	4.5	no	no	SEB	100
1013800012	76A	750V	16mm <sup>2</sup>	6.3	M5	2, 4, 11	B C D I	14.5	4.3	no	no	LB	100
1013802012	76A	750V	16mm <sup>2</sup>	6.3	M5	2, 4, 11	B C D I	14.5	4.3	yes	yes	LB	100
1013850012	76A	750V	16mm <sup>2</sup>	6.3	M5	2, 4, 11	B C D I	14.5	4.3	no	no	SEB	100
1013852012	76A	750V	16mm <sup>2</sup>	6.3	M5	2, 4, 11	B C D I	14.5	4.3	yes	yes	SEB	100

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

### Dimensions

Base Reference No.	12 Pole Strips		
	W (mm)	D (mm)	H (mm)
PA35/PA35/WP	93.5	15	15.2
101343...12	94	16.1	17.7
PA27/PA27/WP	117	20	17.8
101350...12	117	20	15.5
101353...12	117	20	18.5
PA44/PA44/WP	139.3	23	20
101390...12	140	22	19
4-832F-1-4-12	135.5	23.1	19
PA76/PA76FV912	174.5	25	25.5
102390...12	157.5	25	24.7
PA220FV	175.20	30	32
101380...12	171	30	24
101385...12	171	30	27



If you cannot find what you are looking for, please ask. See glossary for explanation of terms used in this catalogue.

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