



ATEX technical instructions sheet for safe mounting



Terminal blocks **entrelec®**

Compression clamp terminal blocks

Feed through & Ground

M16/12.Ex range

Ordering part numbers

Feed through	Grey	1SNA 146 027 R1000
	Blue	1SNA 146 028 R2100
Ground	Green/yellow (With rail contact)	1SNA 146 043 R2000

Connecting capacity



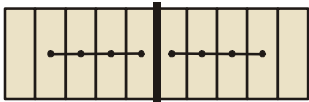
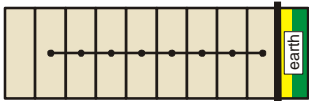
Rated cross-section	16 mm ²
Min solid wire	0.5 mm ²
Max solid wire	25 mm ²
Min flexible wire	0.5 mm ²
Max flexible wire	16 mm ²



EC Type examination certificate	LCIE 02 ATEX 0014U	Group category	Protection method
Supplementary EC type examination certificate	LCIE 02 ATEX 0014U/01	I M2 II 2GD*	} Ex e: increased security
		I M1 II 1G	} Ex i: intrinsic security

*: in the presence of explosive dust atmospheres, terminal blocks are to be installed in certified enclosure II2D

Temperature of service	-55°C + 85°C
Temperature increase (IEC 947-7-1)	Maximum 45k
Insulating material	PA 6.6
IRC	600
Flammability (UL94)	V0
Rated current (IEC 947-7-1) (Not applicable to ground terminal blocks)	76A
Maximum dissipated power	2.4 W

Maximum voltage	Increased security (EN 60079-7)	Intrinsic security (EN 60079-11)
Blocks in rows, DIN3 rail		
	550V	375V
Blocks feed through & ground in rows, DIN3 rail		
	550V	375V
Blocks feed through in rows with jumper bar BJMI Separated with end section FEM		
	550V	375V
Blocks feed through & ground in rows, with jumper bar BJMI separated with end section FEM		
	550V	375V

General information

Unwired screws should be tightened.

Instructions regarding tightening torque and wire stripping length must be observed carefully:

Wire stripping length: 14mm / 0.55"

Tightening torque: 1.2 – 1.4Nm / 10.6-12.3 lb-in