



ATEX technical instructions sheet for safe mounting



Terminal blocks **entrelec®**

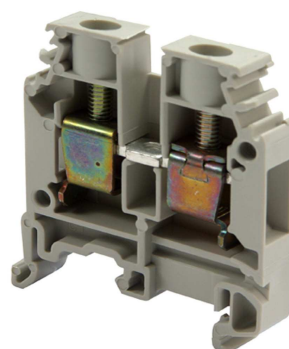
Compression clamp terminal blocks

Feed through & Ground

M10/10.Ex range

Ordering part numbers

Feed through	Grey	1SNA 146 005 R2300
	Blue	1SNA 146 006 R2400
Ground	Green/yellow (Without rail contact)	1SNA 146 239 R0100
	Green/yellow (With rail contact)	1SNA 146 021 R1200








Connecting capacity

Rated cross-section	10 mm ²
Min solid wire	0.5 mm ²
Max solid wire	16 mm ²
Min flexible wire	0.5 mm ²
Max flexible wire	10 mm ²

EC Type examination certificate	LCIE 02 ATEX 0014U	Group category	I M2 II 2GD*	Protection method	} Ex e: increased security
Supplementary EC type examination certificate	LCIE 02 ATEX 0014U/01		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)	57A
Maximum dissipated power	1.8 W

Maximum voltage	Increased security (EN 60079-7)	Intrinsic security (EN 60079-11)
Blocks in rows, DIN3 rail 	420V	190V
Blocks feed through & ground in rows, DIN3 rail 	420V	190V
Blocks feed through in rows with jumper bar BJMI Separated with separator end section SCF 	420V	375V
Blocks feed through in rows, with jumper bar BJMI separator end section SCF 	420V	375V
Block in rows with jumper bar PC separated with separator end section SCF 	420V	375V

General information

Unwired screws should be tightened.

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

Wire stripping length: 12mm / 0.47"

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