BX Hi Z OUTPUT PRESENTS THE BX SUPPLY VOLTAGE WITH AN INTERNAL 47 K OHM RESISTOR IN SERIES. WHERE HI Z OUTPUT IS NOT USED, EACH INPUT MUST BE NX Hi Z OUTPUT PRESENTS THE NX SUPPLY VOLTAGE WITH PROTECTED FROM SHORT CIRCUIT THROUGH THE AN INTERNAL 47 K OHM RESISTOR IN SERIES. FITMENT OF RESISTIVE CABLES. THIS IS TO ALLOW THE SUPPLY CIRCUIT TO BE MONITORED RESISTANCE SEALED IN-LINE, MARKED "47 K OHM". AND WITHOUT THE REQUIREMENT FOR AN ADDITIONAL FITTED 300MM FROM "BUS-BAR" END OF THE CABLE TERMINATION ON THE SIGNALING BUS-BAR OR THE USE OF **RESISTIVE CABLES** CABLE PRE-TERMINATED WITH RED PIDG THROUGH CRIMP TO PERMIT CABLE EXTENSION TO SA380-IT **CIRCUIT INPUTS** MPEC PART NO: COM-IT-RESCAB **SA380-IT MULTIPLE BUS-BAR INSULATION MONITOR DEVICE** SUPPLY DOES NOT USE RESISTIVE CABLE SUPPLY MUST BE FITTED WITH A FUSE FUSE TO BE OF THE MINIMUM 6-WAY 5MM PITCH
SPRING CLAMP PLUG
SUPPLY PRACTICABLE RATING 10-WAY 1B NX Hi Z 1N Y 5MM PITCH G CLAMP PLUG BX160 BX-2B NX110 NX-2N 47 K OHM **EACH INPUT** 1c 1.5mm<sup>2</sup> Ye/Gr Sleeve 3B FΕ **CAN MONITOR** N160 **EARTH** 3N<sup>2</sup> LOOP **ONE SIGNALING** 47 K OHM FE CONNECTS TO t1 **EARTH** CIRCUIT. THE 4B EXISTING EARTH BUS-BAR **CIRCUIT CAN** 4N BE AC OR DC B160 **AUXILIARY** 6-WAY 3.5MM PITCH SPRING CLAMP PLUG RS485 5B₫ UP 160V. E.G. 1A **POWER AND** 47 K OHM 5N¢ BX160 OR B160 5V **RS485** D 0∨ NX160 CONNECTION: EARTH(LOOP) UNUSED **RESERVED 47 K OHM INPUTS REMAIN** LOOP EARTH CONNECTS TO NEW FOR FUTURE фΒ **PERMISSIBLE TO** UNTERMINATED INDEPENDENT EARTH POINT **APPLICATIONS** CONNECT DIRECT  $\sim$ B12 TO SIGNALLING CIRCUIT IF **47 K OHM PROHIBITIVE TO** N12 FIT A FUSE 47 K OHM (ELD)KR N50 CABLE IS EXTENDED **RETAIN FITMENT OF** THE RESISTANCE MUST BE R1 ETHERNET **GSM** USING THE THROUGH-**RJ45 DUST CAP IF** PHYSICALLY LOCATED AT THE (RJ45) (SMA) CRIMP AFFIXED TO THE **ETHERNET PORT** "SIGNALING CIRCUIT" THE RESISTIVE CABLE ALARM CONTACT CLOSED UNDER NORMAL **NOT IN USE** TERMINATING END. MODULE OPERATION, OPEN UNDER FAULT CONDITION **GSM ANTENNA** All wiring 1c Type A1 0.75mm<sup>2</sup> Grey Unless Stated Otherwise. SA380-IT terminations to use the following ferrule crimps: OEM Coax.

• 0.75mm² Cable: WEIDMULLER H0,75/16 W SV INSULATED FERULE. P/N: 9025860000

• 1.50mm<sup>2</sup> Cable: WEIDMULLER H1,5/10 UNINSULATED FERULE. P/N: 0186500000

GSM PATCH ANTENNA MOUNTED EXTERNAL TO LOCATION / REB / EQUIPMENT ROOM

Use square crimp tool: WEIDMULLER PZ 10 SQR WIRE END FERULE CRIMPER. P/N: 1445080000

Drawn:	Checked:	Produced:	Title:	Drawing No:	SA380-IT-TYP-01
МЈВ	ML	mpec part of the Tracsis group	SA380-IT: Typical Circuits: Separate earth points with HiZ outputs in use	Issue No:	AB1
				Issue Date:	14 <sup>th</sup> Oct 2020