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|-----------------------------------|---|---|
| ELECTRICAL CHARACTERISTICS | DIAMETER MALE CONTACT | 1.6 mm |
| | RATED VOLTAGE | 110 U 220V AC according to NFF 61030 |
| | WITHSTAND VOLTAGE | 2 550V AC according to NFF 61030 |
| | CREEPAGE DISTANCE | 2.5 mm |
| | CLEARANCE | 2.5 mm |
| ENVIRONMENTAL CHARACTERISTICS | RATED CURRENT FOR THE CONNECTOR WITH ALL CONTACTS | 7.5 A |
| | INSULATION RESISTANCE | >4000 MΩ |
| | CONTACT RESISTANCE | < OU = 2.5 mΩ |
| | CLIMATIC RANGE | 40/100/21 |
| | PROTECTION DEGREE (CONNECTOR MATED) | IP30 |
| MECHANICAL CHARACTERISTICS | FIRE BEHAVIOUR | I2F3 |
| | CORROSION BEHAVIOUR | 96 H |
| | TEMPERATURE RANGE | -40 / +100°C |
| | ROHS COMPLIANT | OUI |
| | MATING FORCE | VERSION 3 POINTS - 6.5 N VERSION 6 POINTS - 13.5 N VERSION 12 POINTS - 27 N VERSION 18 POINTS - 40 N |
| INSULATOR RETENTION FORCE | N/A | |
| CONTACTS RETENTION FORCE | >15N | |
| CONTACTS PROTECTION (SCOOP PROOF) | 50% | |

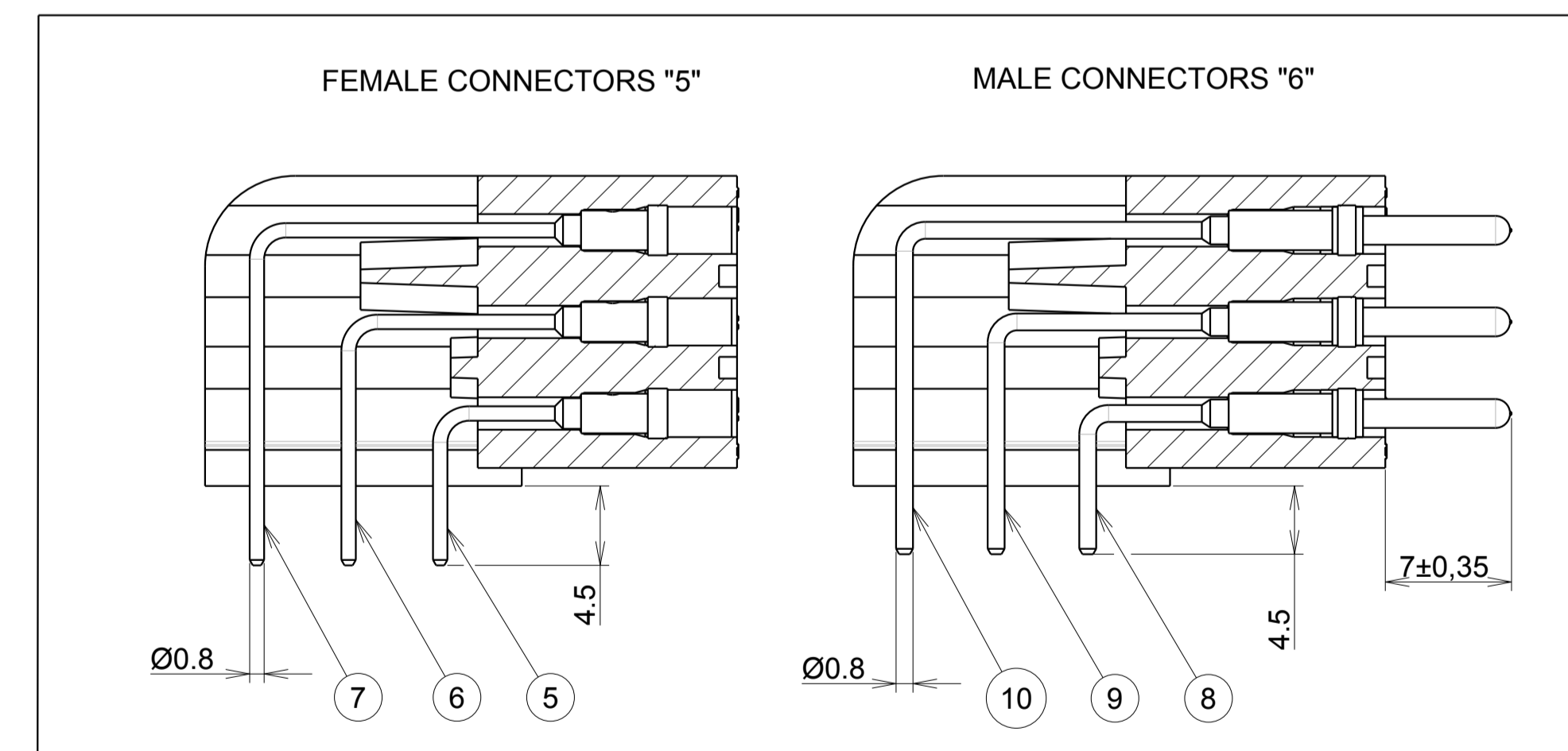
NOTA : Discrimination option : See drawing BS.C.201424.003

| Mark | P/N | Layout | Designation | Material | Weight (grs) |
|------|-----------|--------|-------------------------------|---------------------------------|--------------|
| 4 | SMS18GE63 | 18 | MALE RECEPTACLE - 18 POINTS | RECEPTACLE = POLYAMID PA 6.6 | 21.5 |
| | SMS18GE53 | | FEMALE RECEPTACLE - 18 POINTS | CONTACTS (See "table contacts") | 21.5 |
| 3 | SMS12GE63 | 12 | MALE RECEPTACLE - 12 POINTS | RECEPTACLE = POLYAMID PA 6.6 | 15.5 |
| | SMS12GE53 | | FEMALE RECEPTACLE - 12 POINTS | CONTACTS (See "table contacts") | 15.5 |
| 2 | SMS6GE63 | 6 | MALE RECEPTACLE - 6 POINTS | RECEPTACLE = POLYAMID PA 6.6 | 8 |
| | SMS6GE53 | | FEMALE RECEPTACLE - 6 POINTS | CONTACTS (See "table contacts") | 8 |
| 1 | SMS3GE63 | 3 | MALE RECEPTACLE - 3 POINTS | RECEPTACLE = POLYAMID PA 6.6 | 4 |
| | SMS3GE53 | | FEMALE RECEPTACLE - 3 POINTS | CONTACTS (See "table contacts") | 4 |

PART NUMBER'S EXAMPLE SMS 6 GE 5 3

SMS CONNECTORS
Layout
Solid machined contacts
"5" -->Female contact
"6" -->Male contact
Specif. =Fire Behaviour

| Mark | Designation | Material | Weight (grs) |
|------|-------------|----------|--------------|
| 10 | PIN | BRASS | 0.6 |
| 9 | | | 0.6 |
| 8 | | | 0.6 |
| 7 | SOCKET | BRASS | 0.6 |
| 6 | | | 0.6 |
| 5 | | | 0.6 |



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|--|------|--|-----------------|
| a | | New drawing | |
| ISS | DATE | Latest modification - by: <u>SORIN V.</u> MOD N° | |
| Designed by: <u>SORIN V.</u> | | Date: <u>04/07/11</u> CUSTOMER DRAWING | |
| TITLE BORDMOUNT QIKMATE RIGHT ANGLE BOARDMOUNT WITH CONTACTS | | | |
| Scale | 3/1 | General linear Tolerances: ± 0.5 | NPRDS / PROJECT |
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| FORMAT | A1 | SOURIAU DRG N° SMS-XX-GE53-GE63-C | SHEET 1 / 1 |