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|  | Racor recto MIR-M/PG/NPT | REVISION: 04 |
| | MIR-M/PG/NPT straight connector | Fam.: MIR-M/P/N (G/N) |
| | | Pág. / Page 1/2 |

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|---|---|
| <p>DESCRIPCIÓN</p> <ul style="list-style-type: none"> • Racores rectos fabricados con poliamida de alta calidad (PA6). • Libre de halógenos, fósforo y cadmio. • Resistentes al choque y no propagadores de la llama. • Con base hexagonal. • Para fijación de los extremos de tubos anillados flexibles a las entradas de cables en cuadros de maniobra, cajas de bornes, etc. en instalaciones eléctricas de acuerdo con la norma EN 60204 (Seguridad de las máquinas) y para material rodante. • Montaje y desmontaje rápido "Easy click", gran resistencia a la tracción y alta estanqueidad. • Colores: gris oscuro y negro. | <p>DESCRIPTION</p> <ul style="list-style-type: none"> • Straight connector manufactured from high-quality polyamide (PA6). • Free of halogens, phosphorus and cadmium. • Shock resistant and not flame propagator. • With hexagonal base. • For fixing the ends of flexible corrugated conduits to the cable entries on control panels, terminal boxes on electric motors, etc., in electrical installations fitted in accordance with standard EN 60204 (Safety of Machinery) and rolling stock. • "Easy-click" quick assembly and removal, high tensile strength and watertight. • Colours: dark grey and black |
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CARACTERÍSTICAS DIMENSIONALES / DIMENSIONAL CHARACTERISTICS


a) Racor recto MIR-M (Rosca métrica) / Straight connector MIR-M (Metric thread)

| Referencia / Reference | | DN (*) | Rosca / Thread | Ø int. | A | C | D |  | LR | Peso / Weight g | Envase / Packing u. |
|------------------------|-------------|--------|----------------|--------|----|----|----|---|----|-----------------|---------------------|
| GRIS / GREY | NEGRO/BLACK | | | | | | | | | | |
| MIR-07M12G | MIR-07M12N | 7 | M12x1.5 | 6.5 | 35 | 19 | 17 | 15 | 11 | 4.6 | 100 |
| MIR-10M12G | MIR-10M12N | 10 | M12x1.5 | 6.5 | 37 | 21 | 21 | 18 | 11 | 5.1 | 100 |
| MIR-10M16G | MIR-10M16N | 10 | M16x1.5 | 10.0 | 37 | 21 | 21 | 18 | 11 | 6.0 | 100 |
| MIR-10M20G | MIR-10M20N | 10 | M20x1.5 | 14.0 | 37 | 21 | 21 | 18 | 11 | 6.5 | 100 |
| MIR-12M16G | MIR-12M16N | 12 | M16x1.5 | 10.0 | 37 | 26 | 25 | 20 | 11 | 7.6 | 100 |
| MIR-12M20G | MIR-12M20N | 12 | M20x1.5 | 14.0 | 37 | 26 | 25 | 20 | 11 | 7.8 | 100 |
| MIR-17M20G | MIR-17M20N | 17 | M20x1.5 | 14.5 | 44 | 31 | 30 | 27 | 11 | 12.4 | 100 |
| MIR-17M25G | MIR-17M25N | 17 | M25x1.5 | 18.5 | 45 | 31 | 34 | 27 | 12 | 13.5 | 100 |
| MIR-23M25G | MIR-23M25N | 23 | M25x1.5 | 18.5 | 48 | 37 | 37 | 34 | 12 | 17.5 | 50 |
| MIR-23M32G | MIR-23M32N | 23 | M32x1.5 | 25.5 | 51 | 37 | 42 | 34 | 15 | 19.6 | 50 |
| MIR-29M32G | MIR-29M32N | 29 | M32x1.5 | 25.5 | 52 | 46 | 46 | 42 | 15 | 28.6 | 30 |
| MIR-29M40G | MIR-29M40N | 29 | M40x1.5 | 32.0 | 56 | 46 | 52 | 42 | 19 | 32.4 | 30 |
| MIR-36M40G | MIR-36M40N | 36 | M40x1.5 | 32.0 | 60 | 54 | 54 | 50 | 19 | 42.2 | 20 |
| MIR-36M50G | MIR-36M50N | 36 | M50x1.5 | 42.0 | 60 | 54 | 62 | 50 | 19 | 45.9 | 20 |
| MIR-48M50G | MIR-48M50N | 48 | M50x1.5 | 42.0 | 61 | 69 | 69 | 66 | 19 | 66.9 | 10 |
| MIR-48M63G | MIR-48M63N | 48 | M63x1.5 | 54.0 | 61 | 69 | 75 | 66 | 19 | 72.7 | 10 |

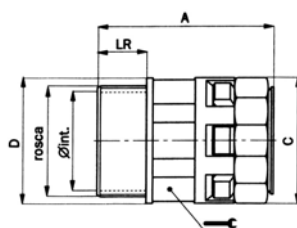
b) Racor recto MIR-P (Rosca PG) / Straight connector MIR-P (PG thread)

| Referencia / Reference | | DN (*) | Rosca / Thread | Ø int. | A | C | D |  | LR | Peso / Weight g | Envase / Packing u. |
|------------------------|-------------|--------|----------------|--------|----|----|----|---|------|-----------------|---------------------|
| GRIS / GREY | NEGRO/BLACK | | | | | | | | | | |
| MIR-07P07G | MIR-07P07N | 7 | Pg 7 | 8.0 | 35 | 19 | 17 | 15 | 11 | 4.7 | 100 |
| MIR-10P07G | MIR-10P07N | 10 | Pg 7 | 8.0 | 37 | 21 | 21 | 18 | 11 | 5.6 | 50 |
| MIR-10P09G | MIR-10P09N | 10 | Pg 9 | 10.3 | 37 | 21 | 21 | 18 | 11 | 5.8 | 100 |
| MIR-12P09G | MIR-12P09N | 12 | Pg 9 | 10.3 | 37 | 26 | 25 | 20 | 11 | 7.5 | 50 |
| MIR-12P11G | MIR-12P11N | 12 | Pg 11 | 14.0 | 37 | 26 | 25 | 20 | 11 | 7.5 | 100 |
| MIR-12P13G | MIR-12P13N | 12 | Pg 13.5 | 14.0 | 37 | 26 | 25 | 20 | 11 | 8.1 | 50 |
| MIR-17P13G | MIR-17P13N | 17 | Pg 13.5 | 14.0 | 44 | 31 | 28 | 27 | 11 | 12.7 | 100 |
| MIR-17P16G | MIR-17P16N | 17 | Pg 16 | 17.0 | 44 | 31 | 29 | 27 | 11.5 | 12.5 | 100 |
| MIR-23P21G | MIR-23P21N | 23 | Pg 21 | 22.0 | 48 | 37 | 36 | 34 | 12.5 | 17.9 | 50 |
| MIR-29P29G | MIR-29P29N | 29 | Pg 29 | 30.0 | 49 | 46 | 46 | 42 | 12.5 | 28.9 | 30 |
| MIR-36P36G | MIR-36P36N | 36 | Pg 36 | 37.5 | 55 | 54 | 56 | 50 | 14 | 42.9 | 20 |
| MIR-48P48G | MIR-48P48N | 48 | Pg 48 | 50.0 | 56 | 69 | 69 | 66 | 14 | 67.4 | 10 |


c) Racor recto MIR-N (Rosca NPT) / Straight connector MIR-N (NPT thread)

| Referencia / Reference | | DN (*) | Rosca / Thread | Ø int. | A | C | D |  | LR | Peso / Weight g | Envase / Packing u. |
|------------------------|-------------|--------|----------------|--------|----|----|----|---|----|-----------------|---------------------|
| GRIS / GREY | NEGRO/BLACK | | | | | | | | | | |
| MIR-17N012G | MIR-17N012N | 17 | ½" | 14.5 | 46 | 31 | 30 | 27 | 13 | 13.0 | 100 |
| MIR-23N034G | MIR-23N034N | 23 | ¾" | 19.5 | 50 | 37 | 37 | 34 | 14 | 18.2 | 50 |
| MIR-29N100G | MIR-29N100N | 29 | 1" | 25.0 | 53 | 46 | 46 | 42 | 16 | 28.7 | 30 |
| MIR-36N114G | MIR-36N114N | 36 | 1 ¼" | 34.5 | 59 | 54 | 54 | 50 | 18 | 40.2 | 20 |
| MIR-48N112G | MIR-48N112N | 48 | 1 ½" | 40.5 | 60 | 69 | 69 | 66 | 18 | 64.2 | 10 |
| MIR-48N200G | MIR-48N200N | 48 | 2" | 50.0 | 60 | 69 | 71 | 66 | 18 | 69.7 | 10 |

(*) DN = Diámetro nominal del tubo a utilizar / Nominal Diameter of the conduit to use
Dimensiones en mm / Dimensions in mm



| Certificaciones / Certifications | |
|--|--|
|  | Underwriters Laboratories (UL) Excepto/Except: DN07 |
|  | London Underground |
|  | CE |
|  | RoHS compliant |

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Propiedades Mecánicas, Eléctricas y Térmicas / Mechanical, Thermal and Electrical Properties

| Ensayo / Test | Clasificación / Classification | Valores norma / Standard Values | Valores reales / Real Values | Norma / Standard |
|--|---|---------------------------------|--------------------------------|---------------------------------|
| 1 Resistencia a la Compresión / Compression Force | No aplica / Not applying | ---- | ---- | |
| 2 Resistencia al Impacto / Impact | No aplica / Not applying | ---- | ---- | |
| 3 Temperatura mínima de utilización / Lower Temperature Range | 4 | -25°C | -40°C | |
| 4 Temperatura máxima de utilización / Upper Temperature Range | 3 | +105°C | +105°C | EN 61386-1/23 CEI 61386-1/23 |
| 5 Resistencia al curvado / Resistance to bending | No aplica / Not applying | ---- | ---- | |
| 6 Propiedades eléctricas / Electrical Characteristics | 0 | No declarado / Not declared | No declarado / Not declared | |
| 7 Resistencia a la penetración de cuerpos sólidos / Protection against ingress of solids | 6 Protegido contra el polvo / Dust tight | ---- | IP 6X | |
| 8 Resistencia a la penetración de agua / Protection against ingress of water | 6 Protegido contra fuertes chorros de agua / Protected against powerful water jets | ---- | IP X6 | DIN 40050-9 |
| | 7 Protegido contra los efectos de una inmersión temporal / Protected against the effects of temporary immersion in water | ---- | IP X7 | |
| 9 Resistencia a la corrosión de tubos metálicos y compuestos / Resistance against corrosion | - | ---- | ---- | EN 61386-1/23 CEI 61386-1/23 |
| 10 Resistencia a la tracción / Tensile Strength | ** 3 Medio / Medium | 500 N | >500 N | |
| 11 Resistencia a la propagación de la llama / Flame Propagation | 1 No Propagador / Not flame propagator | ---- | ---- | |
| 12 Resistencia a cargas suspendidas / Suspended Load Capacity | No aplica / Not applying | ---- | ---- | |
| Resistencia a la penetración de agua / Protection against ingress of water | * 8 Protegido contra los efectos similares a la inmersión a 20 m en agua / Protected against the similar effects of a 20 m water immersion | ---- | IPX8 | EN 60529 IEC 529 |

(*) ENSAYO CON ANILLO TÓRICO **ORJ** Y JUNTA PLANA **PLJ** / TESTED WITH **ORJ** O-RING AND **PLJ** SEALING WASHER

(**) ENSAYO CON TUBO ANILLADO **PST** / TESTED WITH CORRUGATED CONDUIT **PST**

| OTRAS CARACTERÍSTICAS / OTHER CHARACTERISTICS | UNIDAD / UNITS | VALOR / VALUE | ENSAYO / TEST |
|--|-------------------|---------------|-----------------|
| Características Mecánicas (Material acondicionado) / Mechanical Characteristics (Conditioned) | | | |
| Módulo de tracción / Modulus | MPa | ≈1200 | ISO 527 |
| Resistencia a la Tracción / Tensile Strength | MPa | ≈ 45 | ISO 527 |
| Resistencia al Impacto con entalla (Charpy 23°C) / Charpy notched Impact Strength (23°C) | kJ/m ² | ≈ 15 | ISO 179/1cA |
| Toxicidad / Toxicity | | | |
| Libre de halógenos / Halogen Free | - | | UNE EN 50267 |
| De acuerdo con RoHS (Limitación de uso de sustancias peligrosas según Directiva 2002/95/EC) / In compliance with RoHS (2002/95/EC, Restriction of Hazardous Substances) | | | |
| Características de Combustión / Flammability Characteristics | | | |
| Hilo incandescente / Glow wire | °C | 960 | CEI 60695 |
| Índice de oxígeno / Oxygen Index | % | >30 | UNE EN ISO 4589 |
| Inflamabilidad / Flammability | - | V0(V2) | UL 94 |
| Características físico-químicas / Chemical-physical Characteristics | | | |
| Resistencia a los carburantes, aceites minerales, grasas, y la mayoría de disolventes minerales, y bases diluidas Resistance to fuel, mineral oils, greases and diluted bases | | | Buena / Good |

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