

**Product:** [GDM21AJ-A0U-10F](#)

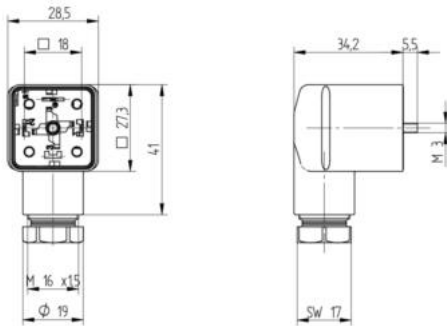


GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, M16 with strain relief; without circuitry, 230 V AC/DC, 10 A

**Product Description**

GDM Standard DIN Standard Field Attachable Connector: Form A, 3-pin (2+1PE; PE across cable outlet), UL 2238, black housing, screw type, M16 with strain relief; without circuitry, 230 V AC/DC, 10 A

**Technical Drawing**



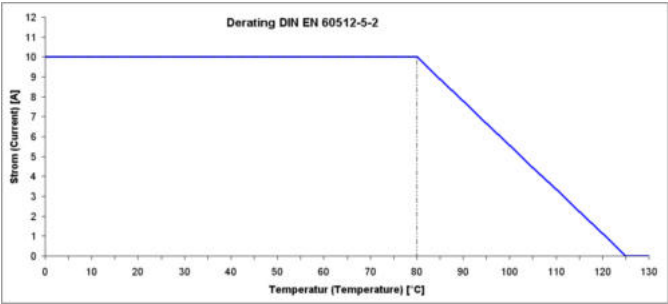
**Montageanleitung**  
Vorinstallationsanleitung

**GDM**

DIN EN 175305-003

IP67, IP 67

**Leistungsfähigkeit:**  
Kabelstrom: 0,5/1,0/2,0/3,0/5,0/10/15/20/25/30/35/40/45/50/55/60/65/70/75/80/85/90/95/100/105/110/115/120/125/130/135/140/145/150/155/160/165/170/175/180/185/190/195/200/205/210/215/220/225/230/235/240/245/250/255/260/265/270/275/280/285/290/295/300/305/310/315/320/325/330/335/340/345/350/355/360/365/370/375/380/385/390/395/400/405/410/415/420/425/430/435/440/445/450/455/460/465/470/475/480/485/490/495/500/505/510/515/520/525/530/535/540/545/550/555/560/565/570/575/580/585/590/595/600/605/610/615/620/625/630/635/640/645/650/655/660/665/670/675/680/685/690/695/700/705/710/715/720/725/730/735/740/745/750/755/760/765/770/775/780/785/790/795/800/805/810/815/820/825/830/835/840/845/850/855/860/865/870/875/880/885/890/895/900/905/910/915/920/925/930/935/940/945/950/955/960/965/970/975/980/985/990/995/1000/1005/1010/1015/1020/1025/1030/1035/1040/1045/1050/1055/1060/1065/1070/1075/1080/1085/1090/1095/1100/1105/1110/1115/1120/1125/1130/1135/1140/1145/1150/1155/1160/1165/1170/1175/1180/1185/1190/1195/1200/1205/1210/1215/1220/1225/1230/1235/1240/1245/1250/1255/1260/1265/1270/1275/1280/1285/1290/1295/1300/1305/1310/1315/1320/1325/1330/1335/1340/1345/1350/1355/1360/1365/1370/1375/1380/1385/1390/1395/1400/1405/1410/1415/1420/1425/1430/1435/1440/1445/1450/1455/1460/1465/1470/1475/1480/1485/1490/1495/1500/1505/1510/1515/1520/1525/1530/1535/1540/1545/1550/1555/1560/1565/1570/1575/1580/1585/1590/1595/1600/1605/1610/1615/1620/1625/1630/1635/1640/1645/1650/1655/1660/1665/1670/1675/1680/1685/1690/1695/1700/1705/1710/1715/1720/1725/1730/1735/1740/1745/1750/1755/1760/1765/1770/1775/1780/1785/1790/1795/1800/1805/1810/1815/1820/1825/1830/1835/1840/1845/1850/1855/1860/1865/1870/1875/1880/1885/1890/1895/1900/1905/1910/1915/1920/1925/1930/1935/1940/1945/1950/1955/1960/1965/1970/1975/1980/1985/1990/1995/2000/2005/2010/2015/2020/2025/2030/2035/2040/2045/2050/2055/2060/2065/2070/2075/2080/2085/2090/2095/2100/2105/2110/2115/2120/2125/2130/2135/2140/2145/2150/2155/2160/2165/2170/2175/2180/2185/2190/2195/2200/2205/2210/2215/2220/2225/2230/2235/2240/2245/2250/2255/2260/2265/2270/2275/2280/2285/2290/2295/2300/2305/2310/2315/2320/2325/2330/2335/2340/2345/2350/2355/2360/2365/2370/2375/2380/2385/2390/2395/2400/2405/2410/2415/2420/2425/2430/2435/2440/2445/2450/2455/2460/2465/2470/2475/2480/2485/2490/2495/2500/2505/2510/2515/2520/2525/2530/2535/2540/2545/2550/2555/2560/2565/2570/2575/2580/2585/2590/2595/2600/2605/2610/2615/2620/2625/2630/2635/2640/2645/2650/2655/2660/2665/2670/2675/2680/2685/2690/2695/2700/2705/2710/2715/2720/2725/2730/2735/2740/2745/2750/2755/2760/2765/2770/2775/2780/2785/2790/2795/2800/2805/2810/2815/2820/2825/2830/2835/2840/2845/2850/2855/2860/2865/2870/2875/2880/2885/2890/2895/2900/2905/2910/2915/2920/2925/2930/2935/2940/2945/2950/2955/2960/2965/2970/2975/2980/2985/2990/2995/3000/3005/3010/3015/3020/3025/3030/3035/3040/3045/3050/3055/3060/3065/3070/3075/3080/3085/3090/3095/3100/3105/3110/3115/3120/3125/3130/3135/3140/3145/3150/3155/3160/3165/3170/3175/3180/3185/3190/3195/3200/3205/3210/3215/3220/3225/3230/3235/3240/3245/3250/3255/3260/3265/3270/3275/3280/3285/3290/3295/3300/3305/3310/3315/3320/3325/3330/3335/3340/3345/3350/3355/3360/3365/3370/3375/3380/3385/3390/3395/3400/3405/3410/3415/3420/3425/3430/3435/3440/3445/3450/3455/3460/3465/3470/3475/3480/3485/3490/3495/3500/3505/3510/3515/3520/3525/3530/3535/3540/3545/3550/3555/3560/3565/3570/3575/3580/3585/3590/3595/3600/3605/3610/3615/3620/3625/3630/3635/3640/3645/3650/3655/3660/3665/3670/3675/3680/3685/3690/3695/3700/3705/3710/3715/3720/3725/3730/3735/3740/3745/3750/3755/3760/3765/3770/3775/3780/3785/3790/3795/3800/3805/3810/3815/3820/3825/3830/3835/3840/3845/3850/3855/3860/3865/3870/3875/3880/3885/3890/3895/3900/3905/3910/3915/3920/3925/3930/3935/3940/3945/3950/3955/3960/3965/3970/3975/3980/3985/3990/3995/4000/4005/4010/4015/4020/4025/4030/4035/4040/4045/4050/4055/4060/4065/4070/4075/4080/4085/4090/4095/4100/4105/4110/4115/4120/4125/4130/4135/4140/4145/4150/4155/4160/4165/4170/4175/4180/4185/4190/4195/4200/4205/4210/4215/4220/4225/4230/4235/4240/4245/4250/4255/4260/4265/4270/4275/4280/4285/4290/4295/4300/4305/4310/4315/4320/4325/4330/4335/4340/4345/4350/4355/4360/4365/4370/4375/4380/4385/4390/4395/4400/4405/4410/4415/4420/4425/4430/4435/4440/4445/4450/4455/4460/4465/4470/4475/4480/4485/4490/4495/4500/4505/4510/4515/4520/4525/4530/4535/4540/4545/4550/4555/4560/4565/4570/4575/4580/4585/4590/4595/4600/4605/4610/4615/4620/4625/4630/4635/4640/4645/4650/4655/4660/4665/4670/4675/4680/4685/4690/4695/4700/4705/4710/4715/4720/4725/4730/4735/4740/4745/4750/4755/4760/4765/4770/4775/4780/4785/4790/4795/4800/4805/4810/4815/4820/4825/4830/4835/4840/4845/4850/4855/4860/4865/4870/4875/4880/4885/4890/4895/4900/4905/4910/4915/4920/4925/4930/4935/4940/4945/4950/4955/4960/4965/4970/4975/4980/4985/4990/4995/5000/5005/5010/5015/5020/5025/5030/5035/5040/5045/5050/5055/5060/5065/5070/5075/5080/5085/5090/5095/5100/5105/5110/5115/5120/5125/5130/5135/5140/5145/5150/5155/5160/5165/5170/5175/5180/5185/5190/5195/5200/5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Technical Specifications

Technical Data

Product Family:	Valve Connectors
Product Sub Family:	GDM Standard
Brand:	Hirschmann
Connector Type:	Field attachable
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	2+PE (PE across cable outlet)
Coding:	A
Shielding:	Unshielded
Attachment Type:	Central Screw
Rated Voltage (UL):	300 V
Rated Voltage (CSA):	300 V
Rated Impulse Voltage:	4.0 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	10 A
Rated Current (UL)*:	10 A
Rated Current (CSA)*:	8 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 50
Type of Connection:	Screw
Cable Gland:	M16 with strain relief
Conductor Cross Section:	0.25 - 1.5 mm²
Strain-Relief:	Clamping Cage
Suitable Cables:	Ø 6 - 8 mm
Ambient Temperature (Operation)*:	-40 °C - +125 °C
Operating Temperature (UL):	max. + 75 °C
Operating Temperature (CSA):	max. + 75 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	DIN EN 175301-803-A, ISO 4400
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Sn
Contact Bearer Material:	PA GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	PA GF
Housing Color:	Black (cURus)
Flammability Class (Housing):	UL 94 5VA
Cable Gland Material:	PA GF

Cable Gland Gasket:	NBR
Cable Gland Color:	Black
Strain-Relief Material:	PA GF
Attachment Material:	Steel, Philips combi slot
Gasket Material:	Sold separately

Additional Technical Data

Fastening Torque (Contact Screw):	M3: (25-30) Ncm
Fastening Torque (Cable Gland):	(150-200) Ncm
Fastening Torque (Attachment):	(50-60) Ncm

Approvals

UL-File:	E315587
UL:	UL 2238; cURus
VDE:	yes
SEV:	yes

Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description
934888124	GDM21AJ-A0U-10F

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