



<b>Product description</b>			
Standard		IEC 61076-2-101 ; INDUSTRIAL 11mm	IEC 61076-2-101 ; INDUSTRIAL 11mm
Construction type		B	B
Description	M12 male and P11 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)
Housing colour		black	black
Number of contacts		2 + PE	2 + PE
Cable type		PUR/PVC	PUR/PVC
Conductors specification		0,50 mm <sup>2</sup>	0,50 mm <sup>2</sup>
Cable length		1 m	1 m
Order no.		<b>JB636T54DP11100</b>	<b>JB635T54DP11100</b>
Other standard options	cable length 2m,	order no. <b>JB636T54DP11200</b>	order no. <b>JB635T54DP11200</b>
Cable jacket colour		black	black
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application	-40°C to + 80°C	-40°C to + 80°C
	flexible application	-25°C to + 80°C	-25°C to + 80°C
<b>Drawing</b>			
<b>Technical data</b>			
Pin dimension	(M12); (valve connector)	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm
Rated voltage		24 V AC/DC	24 V AC/DC
Rated current		4 A	4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		≤ 10 mΩ	≤ 10 mΩ
Overvoltage category		III	III
Mounting	(M12); (valve connector)	lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm
Fixing screw torque	(M12); (valve connector)	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m
<b>Material</b>			
Contact material	(M12); (valve connector)	CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated
Contact holder material	(M12); (valve connector)	PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU	TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1
<b>Environmental conditions</b>			
Protection class (IEC60529)		IP 67 when correctly assembled	IP 67 when correctly assembled
Pollution severity		3	3
<b>Inflammability class</b>			
Contact holder	(M12); (valve connector)	UL; V0	UL; V0
Moulded housing		HB	HB
<b>Packaging</b>			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	1 box	<b>JB636T54DP11100</b>	<b>JB635T54DP11100</b>
	2 boxes	<b>JB636T54DP11200</b>	<b>JB635T54DP11200</b>
Approximate weight per box		10...15 Kg	10...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
<b>Notes</b>			
Technical specifications on cables and accessories see pages 179-183			



IEC 61076-2-101 ; INDUSTRIAL 11mm B	IEC 61076-2-101 ; INDUSTRIAL 11mm B		
(PE) earth in H6 function indicator (LED) TVS protective circuit (transil)	(PE) earth in H12 function indicator (LED) TVS protective circuit (transil)		
black	black		
2 + PE	2 + PE		
PUR/PVC	PUR/PVC		
0,50 mm <sup>2</sup>	0,50 mm <sup>2</sup>		
1 m	1 m		
<b>JB636T54KP11100</b>	<b>JB635T54KP11100</b>		
order no. <b>JB636T54KP11200</b>	order no. <b>JB635T54KP11200</b>		
black	black		
5,5 mm	5,5 mm		
-40°C to + 80°C	-40°C to + 80°C		
-25°C to + 80°C	-25°C to + 80°C		
1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm	1 mm; 6,3 x 0,8mm / 4,8 x 0,8mm		
24 V AC/DC	24 V AC/DC		
4 A	4 A		
TVS Vbr max.=37,8V Peak =400W	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
≤ 10 mΩ	≤ 10 mΩ		
III	III		
lock nut M12 x 1; central screw M3 x 28,5mm	lock nut M12 x 1; central screw M3 x 28,5mm		
0,5 - 0,8 N/m ; 0,3 - 0,5 N/m	0,5 - 0,8 N/m ; 0,3 - 0,5 N/m		
CuSn gold plated; CuSn silver plated	CuSn gold plated; CuSn silver plated		
PA6T/61 GF blue; PA6 GF	PA6T/61 GF blue; PA6 GF		
TPU	TPU		
Zamak 15 / ZnAl4Cu1	Zamak 15 / ZnAl4Cu1		
IP 67 when correctly assembled	IP 67 when correctly assembled		
3	3		
UL; V0	UL; V0		
HB	HB		
100 pieces	100 pieces		
<b>JB636T54KP11100</b>	<b>JB635T54KP11100</b>		
<b>JB636T54KP11200</b>	<b>JB635T54KP11200</b>		
10...15 Kg	10...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		



**Atam Group. Innovation and technology.**

Since 1992 Atam Group produces components for the automatic regulation and, more in general, for the wide market of industrial automation and engineering oil hydraulic. The group was born with the common intention to diversify strategies and researches with the purpose of completely satisfy the customer. The continuous technological evolution, oriented to anticipate the market demands and the competition, allows Atam Group to be an active and trusted partner in order to grant the maximum performances of each product.



Operators for solenoid valves



1



Encapsulated coils  
Electromagnets  
Electrical windings



Connecting devices for actuators and sensors  
Proximity switches



2



Operators



Active-passive M8-M12 distribution boxes

**Reference rules:**

- IEC 60335-1 Household and similar electrical appliances - Safety
- IEC 60730-1 Automatic electrical controls for household and similar use
- IEC 60204-1 Safety of machinery. Electrical equipment of machines
- 2006/95/EC Low voltage Directive

The drawings and the technical data reported on the data sheets have been checked and are believed to be correct. However no liability is accepted therefore.

We always recommend to contact our technical department for the most significant values. The company reserves the right to modify what is reported on specifications and drawings without notice due to technical or commercial reasons.

All technical data contained in this catalogue considers that our connectors are being used as connecting devices which in normal use (when under load) should not be inserted or withdrawn from any mating device. With reference to CE marking, it should be noted that electronic components such as connectors are not subject to any form of marking and therefore must not be marked with a CE mark. This is confirmed within the conditions of the European Commission for Low Voltage and EMC guidelines. Our connectors are developed and designed for the use in the field of equipment, control and electrical appliances. They can also be used in other applications under the responsibility of the user. Any connecting wires should be stripped only so far that distances to conductive parts are not shortened. When wires are crimped or soldered care should be taken to ensure that no single strands are exposed in order to prevent a short circuit.