



Form C - EN 175301-803 (DIN43650)

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable function indicator (LED) protective circuit (diode)	P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm <sup>2</sup> PVC	3 G 0,5 mm <sup>2</sup> PVC
Cable length		3 m	3 m
Order no.		<b>MC634D54TA01300</b>	<b>MC634T54TA01300</b>
Other standard options	cable length 5m,	order no. <b>MC634D54TA01500</b>	order no. <b>MC634T54TA01500</b>
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
<b>Drawing</b>			
<b>Technical data</b>			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Voltage		24 V DC	24 V AC/DC
Rated current max.		3 A	3 A
Suppressor		diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23	central screw M2,5 x 23
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
<b>Material</b>			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
<b>Environmental conditions</b>			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
<b>Inflammability class</b>			
Contact holder		V0	V0
Moulded housing		HB	HB
<b>Packaging</b>			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	<b>MC634D54TA01300</b>	<b>MC634T54TA01300</b>
	4 boxes	<b>MC634D54TA01500</b>	<b>MC634T54TA01500</b>
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
<b>Other cable options on request</b>			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 171-175			

## Valve Connectors MC6 series

MOULDED IN CABLE



EN175301-803	EN175301-803		
C	C		
P8 connector with moulded cable function indicator (LED) protective circuit (diode)	P8 connector with moulded cable function indicator (LED) TVS protective circuit (transil)		
2 + PE / PE bridged	2 + PE / PE bridged		
PUR / PVC	PUR / PVC		
3 G 0,5 mm <sup>2</sup> PVC	3 G 0,5 mm <sup>2</sup> PVC		
3 m	3 m		
<b>MC634D54TP11300</b>	<b>MC634T54TP11300</b>		
order no. <b>MC634D54TP11500</b>	order no. <b>MC634T54TP11500</b>		
black	black		
brown - blue - yellow/green	brown - blue - yellow/green		
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		
3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm		
24 V DC	24 V AC/DC		
3 A	3 A		
diode 1A 1000V	TVS Vbr max.=37,8V Peak =400W		
yellow	yellow		
15mΩ max.	15mΩ max.		
III	III		
central screw M2,5 x 23	central screw M2,5 x 23		
0,3 - 0,4 N/m	0,3 - 0,4 N/m		
PA6 GF	PA6 GF		
TPU	TPU		
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]		
3	3		
V0	V0		
HB	HB		
100 pieces	100 pieces		
<b>MC634D54TP11300</b>	<b>MC634T54TP11300</b>		
<b>MC634D54TP11500</b>	<b>MC634T54TP11500</b>		
13...15 Kg	13...15 Kg		
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm		
(P112)	(P112)		

Form C - EN 175301-803 (DIN43650)



Form C - EN 175301-803 (DIN43650)

Product description		EN175301-803	EN175301-803
Standard		EN175301-803	EN175301-803
Construction type		C	C
Description	Integrated gasket (TPU) and central fixing screw (PE) earth in H6 and H12 position (bridged)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)
Number of contacts		2 + PE / PE bridged	2 + PE / PE bridged
Cable type		H03VV-F VDE 0281-5 PVC	H03VV-F VDE 0281-5 PVC
Conductors specification		3 G 0,5 mm <sup>2</sup> PVC	3 G 0,5 mm <sup>2</sup> PVC
Cable length		3 m	3 m
Order no.		<b>MC634V54TA01300</b>	<b>MC634V55TA01300</b>
Other standard options	cable length 5m,	order no. <b>MC634V54TA01500</b>	order no. <b>MC634V55TA01500</b>
Cable jacket colour		black	black
Conductor colours		brown - blue - yellow/green	brown - blue - yellow/green
Cable diameter +/-5%		5,5 mm	5,5 mm
Cable temperature range	static application flexible application	-15°C to + 70°C	-15°C to + 70°C
<b>Drawing</b>			
<b>Technical data</b>			
Pin dimension		3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
Voltage		24 V AC/DC	115 V AC/DC
Rated current max.		3 A	3 A
Suppressor		VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule
LED colour		yellow	yellow
Contact resistance		15mΩ max.	15mΩ max.
Overvoltage category		III	III
Mounting		central screw M2,5 x 23	central screw M2,5 x 23
Fixing screw torque		0,3 - 0,4 N/m	0,3 - 0,4 N/m
<b>Material</b>			
Contact holder material		PA6 GF	PA6 GF
Overmoulding material		TPU	TPU
<b>Environmental conditions</b>			
Protection class (EN 60529)		IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
Pollution severity (EN 60664-1)		3	3
<b>Inflammability class</b>			
Contact holder		V0	V0
Moulded housing		HB	HB
<b>Packaging</b>			
Minimum quantity		100 pieces	100 pieces
Number of boxes suitable:	2 boxes	<b>MC634V54TA01300</b>	<b>MC634V55TA01300</b>
	4 boxes	<b>MC634V55TA01500</b>	<b>MC634V55TA01500</b>
Approximate weight per box		13...15 Kg	13...15 Kg
Box dimension		39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
<b>Other cable options on request</b>			
type (part number)		(A012) (C033; C032)	(A012) (C033; C032)
Technical specifications on cables and accessories see pages 171-175			

## Valve Connectors MC6 series

MOULDED IN CABLE



EN175301-803	EN175301-803	EN175301-803	EN175301-803
C	C	C	C
P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)	P8 connector with moulded cable function indicator (LED) protective circuit (varistor)
2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged	2 + PE / PE bridged
H03VV-F VDE 0281-5 PVC	PUR / PVC	PUR / PVC	PUR / PVC
3 G 0,5 mm <sup>2</sup> PVC	3 G 0,5 mm <sup>2</sup> PVC	3 G 0,5 mm <sup>2</sup> PVC	3 G 0,5 mm <sup>2</sup> PVC
3 m	3 m	3 m	3 m
<b>MC634V56TA01300</b>	<b>MC634V54TP11300</b>	<b>MC634V55TP11300</b>	<b>MC634V56TP11300</b>
order no. <b>MC634V56TA01500</b>	order no. <b>MC634V54TP11500</b>	order no. <b>MC634V55TP11500</b>	order no. <b>MC634V56TP11500</b>
black	black	black	black
brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green	brown - blue - yellow/green
5,5 mm	5,5 mm	5,5 mm	5,5 mm
-15°C to + 70°C	-40°C to + 80°C	-40°C to + 80°C	-40°C to + 80°C
	-25°C to + 80°C	-25°C to + 80°C	-25°C to + 80°C
3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm	3,6 x 0,8mm ; 2,8 x 0,8mm
230 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
3 A	3 A	3 A	3 A
VDR 275 Vrms 8,6 Joule	VDR 30 Vrms 0,9 Joule	VDR 130 Vrms 4,5 Joule	VDR 275 Vrms 8,6 Joule
yellow	yellow	yellow	yellow
15mΩ max.	15mΩ max.	15mΩ max.	15mΩ max.
III	III	III	III
central screw M2,5 x 23	central screw M2,5 x 23	central screw M2,5 x 23	central screw M2,5 x 23
0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m	0,3 - 0,4 N/m
PA6 GF	PA6 GF	PA6 GF	PA6 GF
TPU	TPU	TPU	TPU
IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]	IP65 , IP67 , [IP69K DIN40050-9]
3	3	3	3
V0	V0	V0	V0
HB	HB	HB	HB
100 pieces	100 pieces	100 pieces	100 pieces
<b>MC634V56TA01300</b>	<b>MC634V54TP11300</b>	<b>MC634V55TP11300</b>	<b>MC634V56TP11300</b>
<b>MC634V56TA01500</b>	<b>MC634V54TP11500</b>	<b>MC634V55TP11500</b>	<b>MC634V56TP11500</b>
13...15 Kg	13...15 Kg	13...15 Kg	13...15 Kg
39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm	39 x 39 x 19,5 cm
(A012) (C033; C032)	(P112)	(P112)	(P112)

Form C - EN 175301-803 (DIN43650)



<b>Product description</b>		
Standard		IEC 61076-2-101; EN175301-803
Construction type		C
Description	M12 male and P8 valve connector with moulded cable integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12=black ; P8=transparent
Number of contacts		2 + PE / PE bridged
Cable type		PUR/PVC
Conductors specification		0,50 mm <sup>2</sup>
Cable length		1 m
Order no.		<b>JC634T54DP11100</b>
Other standard options	cable length 2m,	order no. <b>JC634T54DP11200</b>
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
<b>Drawing</b>		
		<p>▷ Code A</p>
<b>Technical data</b>		
Pin dimension	M12 ; valve connector	1 mm; 3,6 x 0,8mm / 2,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M2,5 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,4 N/m
<b>Material</b>		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1
<b>Environmental conditions</b>		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
<b>Inflammability class</b>		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
<b>Packaging</b>		
Minimum quantity		100 pieces
Number of boxes suitable :	1 box	<b>JC634T54DP11100</b>
	2 boxes	<b>JC634T54DP11200</b>
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
<b>Notes</b>		
Technical specifications on cables and accessories see pages 171-175		

## Jumper connectors YC series

MOULDED IN CABLE + M12 Y DISTRIBUTOR



Product description		
Standard		IEC 61076-2-101 ; EN175301-803
Construction type		C
Description	M12 Y male distributor and P8 valve connector with moulded cable, integrated gasket and central fixing screw	(PE) earth in H6 and H12 position (bridged) function indicator (LED) TVS protective circuit (transil)
Housing colour		M12 = black ; P8 = transparent
Number of contacts		2 + PE / PE bridged
Cable type		PUR/PVC
Conductors specification		0,50 mm <sup>2</sup>
Cable length		1 m
Order no.		<b>YC634T54DP11100</b>
Other standard options	cable length 2m,	order no. <b>YC634T54DP11200</b>
Cable jacket colour		black
Cable diameter +/-5%		5,5 mm
Temperature range	static application	-40°C to + 80°C
	flexible application	-25°C to + 80°C
Drawing		
Technical data		
Pin dimension	M12 ; valve connector	1 mm ; 3,6 x 0,8mm / 2,8 x 0,8mm
Voltage		24 V AC/DC
Rated current max.		4 A
Suppressor		TVS Vbr max.=37,8V Peak =400W
LED colour		yellow
Contact resistance		15mΩ max.
Overvoltage category		III
Mounting	M12 ; valve connector	lock nut M12 x 1; central screw M2,5 x 23mm
Fixing screw torque	M12 ; valve connector	0,5 - 0,8 N/m; 0,3 - 0,4 N/m
Material		
Contact material	M12 ; valve connector	CuSn gold plated; CuSn silver plated
Contact holder material	M12 ; valve connector	PA6T/61 GF blue; PA6 GF
Overmoulding material		TPU
Coupling nut material		Zamak 15 / ZnAl4Cu1
Environmental conditions		
Protection class (EN 60529)		IP67
Pollution severity (EN 60664-1)		3
Inflammability class		
Contact holder	M12 ; valve connector	UL; V0
Moulded housing		HB
Packaging		
Minimum quantity		100 pieces
Number of boxes suitable:	1 box	<b>YC634T54DP11100</b>
	2 boxes	<b>YC634T54DP11200</b>
Approximate weight per box		10...15 Kg
Box dimension		39 x 39 x 19,5 cm
Notes		
Technical specifications on cables and accessories see pages 171-175		

Form C - EN 175301 + M12 Y Distributor