

Steckerbelegung

Kabelbaum AiM MXG 1.2 / MXS 1.2 / MXP

Mess- und Prüftechnik
für Industrie, Motorsport und Fahrzeugentwicklung

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Kabelbaum 37 pin Standard

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">Harness for 37 pins Deutsch connector for MXL2/MXG/MXS</h1>				
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.
Progettato da / Designed by D.B.	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date
		Titolo / Title		
		Cavo connettore Deutsch 37 pin per MXL2/MXG/MXS		
N. disegno / Drawing N.		Rev. / Rev.	Foglio / Sheet	
04.573.01		7	1 of 2	

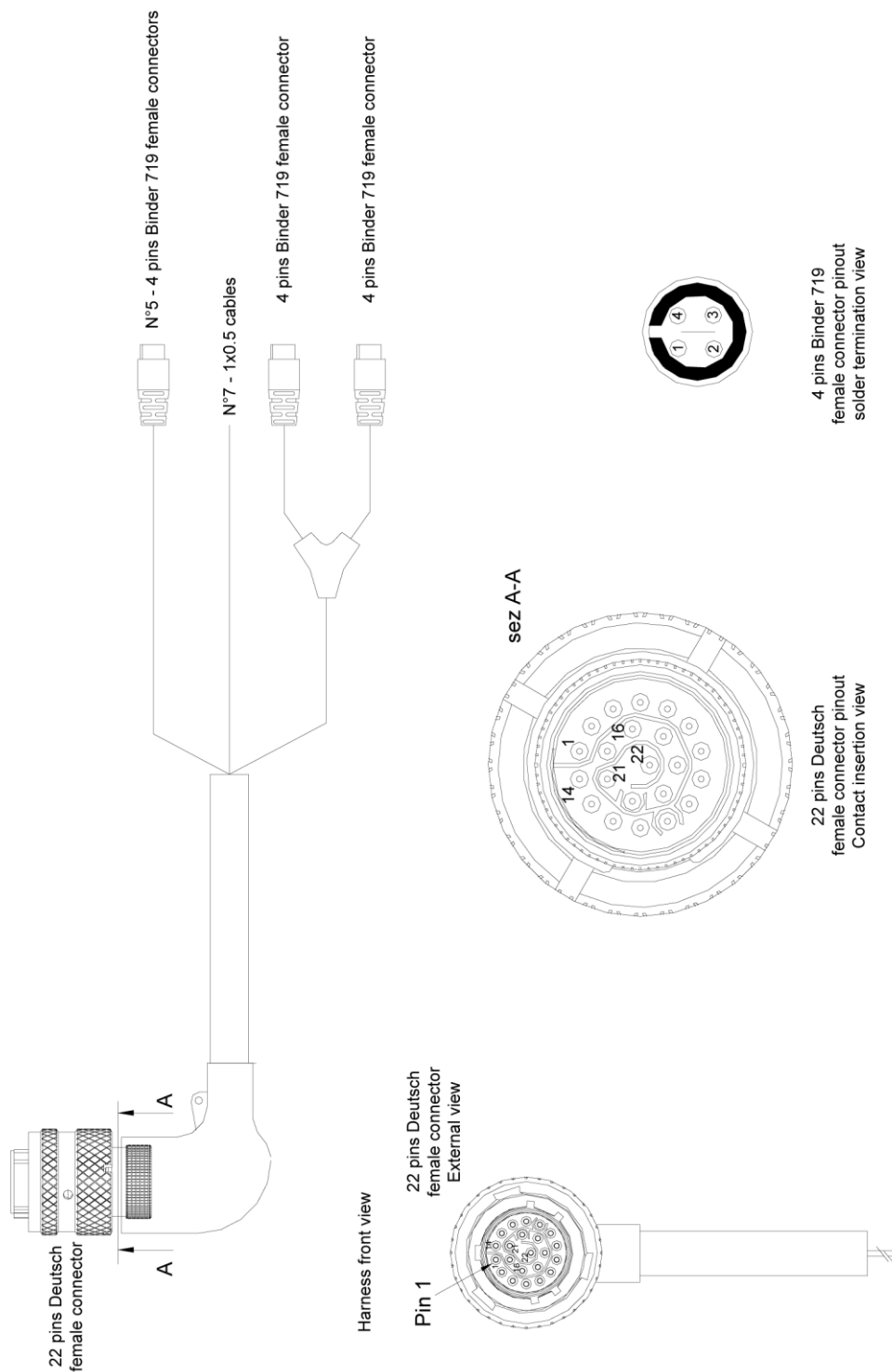
Kabelbaum 37 pin Standard


N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by		
Table of cables ending with 4 pins Binder 719 female connector						
37 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Cable length	Channel	Label
22 23 24 25	White Black Red Blue	1 2 3 4	4x0.35 mm ²	340 mm	Analog channel 1 GND Vbattery Vreference	Channel 1
26 27 28 29	White Black Red Blue	1 2 3 4	4x0.35 mm ²	340 mm	Analog channel 2 GND Vbattery Vreference	Channel 2
30 31 32 33	White Black Red Blue	1 2 3 4	4x0.35 mm ²	360 mm	Analog channel 3 GND Vbattery Vreference	Channel 3
34 35 36 37	White Black Red Blue	1 2 3 4	4x0.35 mm ²	360 mm	Analog channel 4 GND Vbattery Vreference	Channel 4
19 20 21	White Black Blue n.c.	1 2 3 4	3x0.35 mm ²	320 mm	Speed1 GND Vbattery n.c.	Speed 1
16 17 18	n.c. Black Blue White	1 2 3 4	3x0.35 mm ²	320 mm	n.c. GND Vbattery Lap ottico	Lap
12 14 13	White* Black Blue* n.c.	1 2 3 4	Twistato 2x0.35+ 1x0.35	1100 mm	USB D+ GND USB D- n.c.	USB
* These two wires are twisted						
Table of cables ending with 5 pins Binder 712 female connector						
37 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Cable length	Channel	Label
3 4 5 6 7	White Black Red Bleu Orange	1 2 3 4 5	5x0.25 mm ²	350 mm	CAN+ expansion GND Vbattery CAN- Expansions Vbext	Exp.
Table of unterminated cables						
37 pins Deutsch connector pin	Cable colour	Cable type	Cable length	Label		
15	White	1x0.5 mm ²	550 mm	RPM		
2 1	Black Red	1x0.5 mm ² 1x0.5 mm ²	550 mm	GND 9-15 V Power input		
8 9 10 11	White Black Bleu	1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ²	550 mm	CAN1+ CAN1- K line GND K line		
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by D.B.		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
			Titolo / Title Cavo connettore 37 pin per MXL2/MXG/MXS			
			N. disegno / Drawing N. 04.573.01		Rev. / Rev. 7	Foglio / Sheet 2 of 2

Kabelbaum 22 pin Standard

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
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Harness of 22 pins Deutsch connector for MXL2/MXG/MXS (optional)



Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by D.B.	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale	
		Titolo / Title Cablaggio connettore Deutsch 22 pin per MXG (optional)				
		N. disegno / Drawing N.	04.573.02	Rev. / Rev. 3	Foglio / Sheet 1 of 2	


Kabelbaum 22 pin Standard

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by		
Table of cables ending with 4 pins Binder 719 connector						
22 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Length	Channel	Label
1 2 3 4	White Black Red Blue	1 2 3 4	4x0.35 mm ²	380 mm	Analog channel 5 GND Vbattery Vreference	Channel 5
5 2 3 4	White Black Red Blue	1 2 3 4	4x0.35 mm ²	380 mm	Analog channel 6 GND Vbattery Vreference	Channel 6
6 7 8 9	White Black Red Blue	1 2 3 4	4x0.35 mm ²	400 mm	Analog channel 7 GND Vbattery Vreference	Channel 7
10 7 8 9	White Black Red Blue	1 2 3 4	4x0.35 mm ²	400 mm	Analog channel 8 GND Vbattery Vreference	Channel 8
11 12 13	White Black Blue n.c.	1 2 3 4	3x0.35 mm ²	320 mm	Speed2 GND Vbattery n.c.	Speed 2
						Speed 3
						Speed 4
Table of not cabled cables						
22 pins Deutsch connector pin	Cable colour	Cable type	Length	Label		
19 20	White Blue	1x0.5 mm ² 1x0.5 mm ²	550 mm	Digital output 1 Digital output 2		
17 18 16 21 22	White Blue Black Blue White	1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ²	550 mm	CAN2+ CAN2- GND RS232TX RS232RX		
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by D.B.		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name		Scala / Scale
			Titolo / Title Cavo connettore Deutsch 22 pin standard per MXL2/MXG/MXS (optional)			
			N. disegno / Drawing N. 04.573.02		Rev. / Rev. 3	Foglio / Sheet 2 of 2

Kabelbaum 37 pin, 1 Thermocouple

N.rev. / Rev. N.		Descrizione / Description		Data / date	Firma / Sign	Contr. da / Ckd. by
<h3>Harness of 37 pins Deutsch female connector with 1 thermocouple for MXL2/MXG/MXS</h3>						
<p>37 pins Deutsch female connector contact insertion view</p>						
<p>37 pins Deutsch female connector external view</p>						
<p>Mignon connector wiring</p>						
<p>4 pins Binder 719 female connector pinout solder termination view</p>						
<p>5 pins Binder 712 female connector pinout solder termination view</p>						
SEZ A-A						
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale	
		Titolo / Title				N. disegno / Drawing N.
		Harness of 37 pins Deutsch female connector with 1 thermocouple for MXL2/MXG/MXS				04.573.04
				Rev. / Rev.	Foglio / Sheet	
				2	1 of 2	


Kabelbaum 37 pin, 1 Thermocouple

N.rev. / Rev. N.	Descrizione / Description				Data / date	Firma / Sign	Contr. da / Ckd. by
Table of cables ending with 4 pins Binder 719 female connectors							
37 pins Deutsch connectors	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
26 27 28 29	White Black Red Blue	1 2 3 4	4x0.35mm ²	340mm	Analog channel 2 GND Vbattery Vreference	Channel 2	
30 31 32 33	White Black Red Blue	1 2 3 4	4x0.35mm ²	360mm	Analog channel 3 GND Vbattery Vreference	Channel 3	
34 35 36 37	White Black Red Blue	1 2 3 4	4x0.35mm ²	360mm	Analog channel 4 GND Vbattery Vreference	Channel 4	
19 20 21	White Black Blue nc	1 2 3 4	3x0.35mm ²	320mm	Speed 1 GND Vbattery nc	Speed 1	
16 17 18	nc Black Blue White	1 2 3 4	3x0.35mm ²	320mm	nc GND Vbattery Optical lap	Lap	
12 14 13	White* Black Blue* nc	1 2 3 4	twisted 2x0.35+1x0.35	1100mm	USB D+ GND USB D- nc	USB	
* These two wires are twisted							
Table of cables ending with Mignon connector							
37 pins Deutsch connectors	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
22 23	Yellow Red	+ -	Compensated	330 mm	Analog channel 1 GND	Channel 1	
Table of cables ending with 5 pins Binder 712 female connector							
37 pins Deutsch connectors	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
3 4 5 6 7	White Black Red Blue Orange	1 2 3 4 5	5x0.25 mm ²	350 mm	CAN+ Exp. GND Vbattery CAN- Exp Vbext	Exp	
Table of not cabled cables							
37 pins Deutsch connectors	Cable colour	Cable type	Length	Label			
15	White	1x0.5 mm ²	550 mm	RPM			
2 1	Black Red	1x0.5 mm ² 1x0.5 mm ²	550 mm	GND 9-15V Power Input			
8 9 10 11	White Blue Black Blue	1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ²	550 mm	CAN1+ CAN1- K line GND K line			
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material			N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name		Data / Date	Scala / Scale	
		Titolo / Title Harness of 37 pins Deutsch female connector with 1 thermocouple for MXL2/MXG/MXS					
		N. disegno / Drawing N. 04.573.04			Rev. / Rev.	Foglio / Sheet 2 of 2	

Kabelbaum 37 pin, 2 Thermocouple

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
<p>Harness of 37 pins Deutsch female connector with 2 thermocouples for MXL2/MXG/MXS</p>				
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material	N. articolo / Item N.	
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date
		Titolo / Title Cablaggio connettore Deutsch 37 pin femmina con 2 termocoppie per MXL2/MXG/MXS		
		N. disegno / Drawing N.	04.573.05	Rev. / Rev. 2

Kabelbaum 37 pin, 2 Thermocouple

N.rev. / Rev. N.	Descrizione / Description				Data / date	Firma / Sign	Contr. da / Ckd. by
Table of cables ending with 4 pins Binder 719 female connectors							
37 pins Deutsch connectors	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
30 31 32 33	White Black Red Blue	1 2 3 4	4x0.35mm ²	360mm	Analog channel 3 GND Vbattery Vreference	Channel 3	
34 35 36 37	White Black Red Blue	1 2 3 4	4x0.35mm ²	360mm	Analog channel 4 GND Vbattery Vreference	Channel 4	
19 20 21	White Black Blue nc	1 2 3 4	3x0.35mm ²	320mm	Speed 1 GND Vbattery nc	Speed 1	
16 17 18	nc Black Blue White	1 2 3 4	3x0.35mm ²	320mm	nc GND Vbattery Lap ottico	Lap	
12 14 13	White* Black Blue* nc	1 2 3 4	twisted 2x0.35+1x0.35	1100mm	USB D+ GND USB D- nc	USB	
* Questi due fili sono twistati							
Table of cables ending with Mignon connector							
37 pins Deutsch connectors	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
22 23	Yellow Red	+ -	Compensated	330 mm	Analog channel 1 GND	Channel 1	
26 27	Yellow Red	+ -	Compensated	330 mm	Analog channel 2 GND	Channel 2	
Table of cables ending with 5 pins Binder 712 female connector							
37 pins Deutsch connectors	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
3 4 5 6 7	White Black Red Blue Orange	1 2 3 4 5	5x0.25 mm ²	350 mm	CAN+ Exp. GND Vbattery CAN- Exp Vbext	Exp	
Table of not cabled cables							
37 pins Deutsch connectors	Cable colour	Cable type	Length	Label			
15	White	1x0.5 mm ²	550 mm	RPM			
2 1	Black Red	1x0.5 mm ² 1x0.5 mm ²	550 mm	GND 9-15V Power Input			
8 9 10 11	White Blue Black Blue	1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ²	550 mm	CAN1+ CAN1- K line GND K line			
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material			N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name		Data / Date	Scala / Scale	
		Titolo / Title					
		Harness of 37 pins Deutsch female connector with 2 thermocouples for MXL2/MXG/MXS					
N. disegno / Drawing N.		04.573.05			Rev. / Rev.	Foglio / Sheet	
					2	2 of 2	

Kabelbaum 22 pin, 1 Thermocouple

N.rev. / Rev. N.		Descrizione / Description		Data / date	Firma / Sign	Contr. da / Ckd. by
<p>Harness of 22 pins Deutsch connector with 1 Thermocouple for MXL2/MXG/MXS</p>						
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale	
		Titolo / Title				
		Cablaggio connettore Deutsch 22 pin con 1 Termocoppia per MXL2/MXG/MXS				
N. disegno / Drawing N.		04.573.08		Rev. / Rev.	Foglio / Sheet	
				2	1 of 2	

Kabelbaum 22 pin, 1 Thermocouple

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by			
Table of cables ending with 4 pins Binder 719 female connectors							
22 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
5 2 3 4	White Black Red Blue	1 2 3 4	4x0.35mm ²	380 mm	Analog channel 6 GND Vbattery Vreference	Channel 6	
6 7 8 9	White Black Red Blue	1 2 3 4	4x0.35mm ²	400 mm	Analog channel 7 GND Vbattery Vreference	Channel 7	
10 7 8 9	White Black Red Blue	1 2 3 4	4x0.35mm ²	400 mm	Analog channel 8 GND Vbattery Vreference	Channel 8	
11 12 13	White Black Blue nc	1 2 3 4	3x0.35mm ²	320mm	Speed 2 GND Vbattery nc	Speed 2	
22 pins Deutsch Connector pin		4 pins Binder 719 female connector pin					
Table of cables ending with Mignon connector							
22 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Length	Channel	Label	
1 2	Yellow Red	+ -	compensated	380 mm	Analog channel 5 GND	Channel 5	
Table of not cabled cables							
22 pins Deutsch connector pin	Cable colour	Cable type	Length	Label			
19 20	White Blue	1x0.5mm ² 1x0.5mm ²	550mm	Digital output 1 Digital output 2			
17 18 16 21 22	White Blue Black Blue White	1x0.5mm ² 1x0.5mm ² 1x0.5mm ² 1x0.5mm ² 1x0.5mm ²	550mm	CAN2+ CAN2- GND RS232TX RS232RX			
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material			N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name		Data / Date	Scala / Scale	
		Titolo / Title					
		Cablaggio connettore Deutsch 22 pin con 1 Termocoppia per MXL2/MXG/MXS					
		N. disegno / Drawing N.			Rev. / Rev.	Foglio / Sheet	
		04.573.08			2	2 of 2	

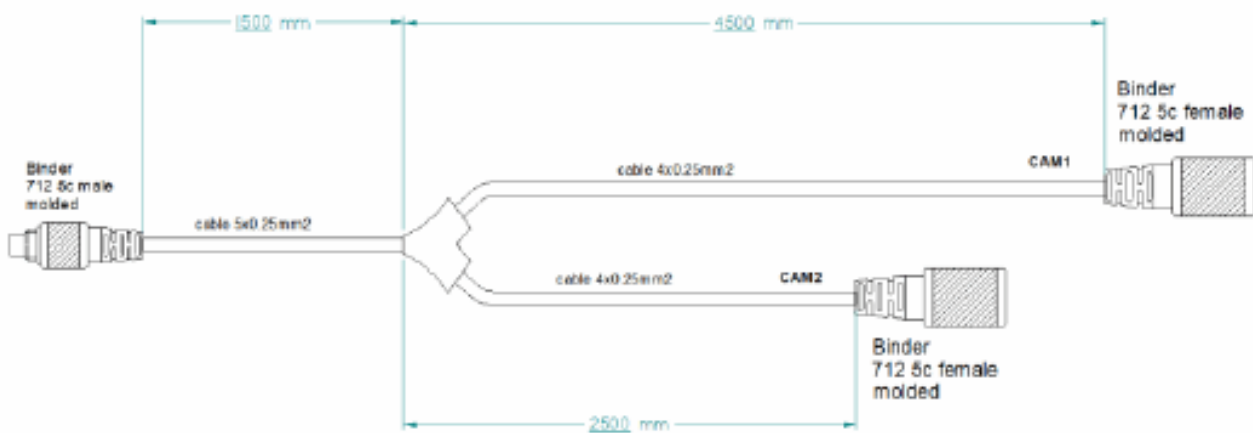
Kabelbaum 22 pin, 2 Thermocouple

N.rev. / Rev. N.		Descrizione / Description		Data / date	Firma / Sign	Contr. da / Ckd. by
<h3>Harness of 22 pins Deutsch connector with 2 Thermocouples for MXL2/MXG/MXS</h3>						
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale	
		Titolo / Title Cablaggio connettore Deutsch 22 pin con 2 Termocoppie per MXL2/MXG/MXS				
		N. disegno / Drawing N.	04.573.16	Rev. / Rev.	Foglio / Sheet 1 of 2	

Kabelbaum 22 pin, 2 Thermocouple

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by		
Table of cables ending with 4 pins Binder 719 female connectors						
22 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Length	Channel	Label
6 7 8 9	White Black Red Blue	1 2 3 4	4x0.35mm ²	400mm	Analog channel 7 GND Vbattery Vreference	Channel 7
10 7 8 9	White Black Red Blue	1 2 3 4	4x0.35mm ²	400mm	Analog channel 8 GND Vbattery Vreference	Channel 8
11 12 13	White Black Blue nc	1 2 3 4	3x0.35mm ²	320mm	Speed 2 GND Vbattery nc	Speed 2
22 pins Deutsch connector pin 		3x0.35 mm² cable 4 pins Binder 719 connector pin		Speed 3	Speed 4	
Tables of cables ending with Mignon connectors						
22 pins Deutsch connector pin	Cable colour	Binder connector pin	Cable type	Length	Channel	Label
1 2	Yellow Red	+ -	Compensated	380 mm	Analogic channel 5 GND	Channel 5
5 2	Yellow Red	+ -	Compensated	380 mm	Analogic channel 6 GND	Channel 6
Table of non cabled cables						
22 pins Deutsch connector pin	Cable colour	Cable type	Length	Label		
19 20	White Blue	1x0.5 mm ² 1x0.5 mm ²	550 mm	Digital Output 1 Digital Output 2		
17 18 16 21 22	White Blue Black Blue White	1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ² 1x0.5 mm ²	550 mm	CAN2+ CAN2- GND RS232TX RS232RX		
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name		Data / Date	Scala / Scale
		Titolo / Title Cablaggio connettore Deutsch 22 pin con 2 Termocoppie per MXL2/MXG/MXS				
		N. disegno / Drawing N. 04.573.16			Rev. / Rev.	Foglio / Sheet 2 of 2

Kabelbaum für analoge Kamera



Binder 712 5c male pins
solder view

①	Video Input 1	WHITE
②	GND	BLACK
③	+Vb output camera	BLUE
④	nc	
⑤	nc	



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