Multifunction grips (MFGs) from DTC provide the reliability required in demanding environmental conditions such as heavy duty industrial applications and offroad.

The high mechanical strength of the shaft and the unique look and feel make these multifunction grips ideal for rigorous use in rugged, harsh environments.

Multifunction grips are designed for use with DTC's AJ3-Joystick but can also be used together with other joysticks. For more information on the AJ3 and AJ4 please consult the AJ3 and AJ4 - datasheet.

Main Features

- Variable functions and mountings
- Grips mountable for left and right handed usage
- Precise tactile feedback of switches
- Adjustable handrest and soft-touch overmoulding (S3 grip)
- Company own K12 switch technology for high reliability



Ball - S



DeltaTech

Ball - L



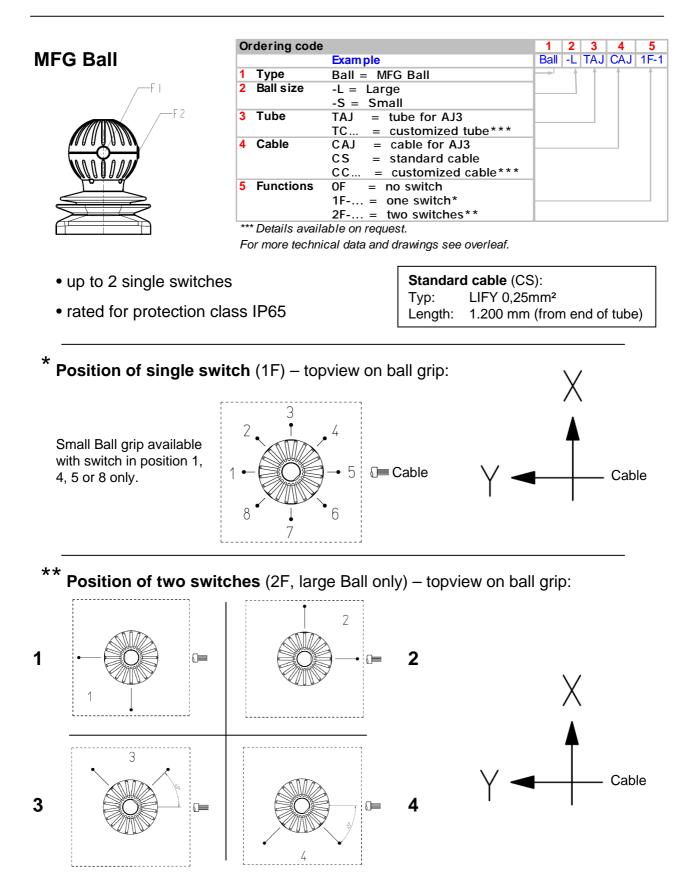


Grip – Order Codes

Standard MFG's for the AJ3 Joystick.

All switches are K12 switches.

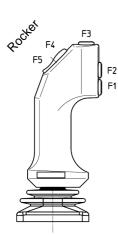




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MFG S1



O	dering code	H Contraction of the second	1	2	3	4			
		Example	S 1	TS	CS	5F			
1	Туре	S1 = MFG S1		1	1	1			
2	Tube	TS = standard tube							
		TAJ = tube for AJ3							
		TC = customized tube*							
3	Cable	CAJ = cable for AJ3							
		CS = standard cable							
		CC = customized cable*							
4	Functions	5F = 3 switches & 1 switch							
		rocker							
*Γ	* Details available on request								

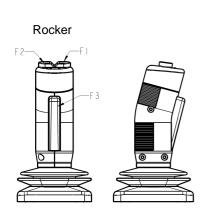
* Details available on request.

For more technical data and drawings see overleaf.

- 3 single switches (F1, F2, F3)
- 1 momentary switch rocker (F4/F5)
- rated for protection class IP65

Standard cable (CS):Typ:LIFY 0,35mm²Length:1.000 mm (from end of tube)

MFG S2



Ordering code	3	1	2	3	4
	Example	S 2	TS	CS	3F
1 Type	S2 = MFG S2		Î	1	1
2 Tube	TS = standard tube				
	TAJ = tube for AJ3				
	TC = customized tube*				
3 Cable	CAJ = cable for AJ3				
	CS = standard cable				
	CC = customized cable*				
4 Functions	1F = enabling switch				
	2F = 1 rocker				
	3F = enabling switch & 1 rocker				
*Details available	on request.				

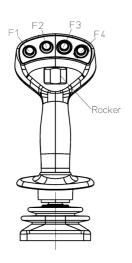
For more technical data and drawings see overleaf.

- 1 enabling switch (F3)
- 1 momentary switch rocker (soft-touch) (F1/F2)
- optional hard plastic cap for rocker protection
- rated for protection class IP65

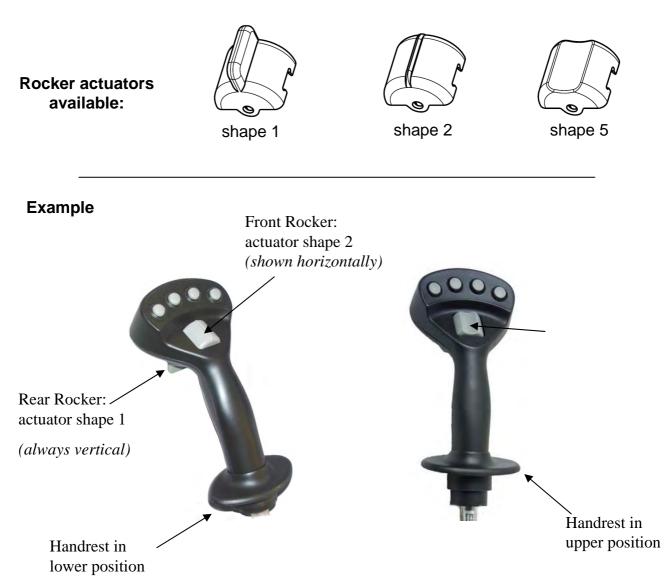
Standard cable (CS):Typ:LIFY 0,25mm²Length:190 mm (from end of tube)

MFG S3

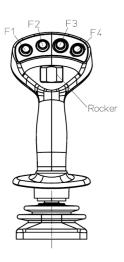




- Grip with soft-touch overmoulded switch block
- Optional front rocker analog or switch rocker (AR3/SR3) horizontal or vertical mountable
- Optional rear rocker analog or switch rocker (AR3/SR3) vertical mountable
- 4 momentary switches (optional with backlighting)
- optional adjustable handrest for different handsizes
- Rated for protection class IP65







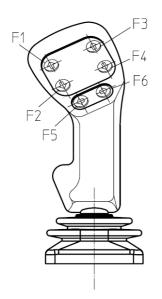
O	dering code		1	2	3	4	5	6
	•	Example	S 3	AR3H-5	SR3-1	TAJ-B	CS	4
1	Туре	S3 = MFG S3		1	1	1	1	- 1
2	Front Rocker	AR3 = Analog Rocker 3	1					
		SR3 = Switch Rocker 3						
		N = None						
	Install position	H = horizontal	1					
		V = vertical						
	Actuator Shape	-1 = actuator shape 1						
		-2 = actuator shape 2						
		-5 = actuator shape 5						
3	Rear Rocker	AR3 = Analog Rocker 3						
	always vertical	SR3 = Switch Rocker 3						
		N = None						
	Actuator Shape	-1 = actuator shape 1						
		-2 = actuator shape 2						
		-5 = actuator shape 5						
4	Tube*	TS1 = standard tube 1						
		TS2 = standard tube 2						
		TAJ = tube for AJ3						
		TC = customized tube***						
	Cable exit*	-B = bottom exit						
		-S = side exit						
5	Cable	CAJ = cable for AJ3						
		CS = standard cable						
		CC = customized cable***						
6	Front Switches**	N = no switch						
		4F = 4 switches (F1- F4)	<u> </u>					
		C = customized***						

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*Drawings see overleat. **Different switch versions available on request. ***Details available on request. For more technical data and drawings see overleaf.

Standard cable (CS):							
Тур:	LIFY 0,25mm ²						
Length:	1.200 mm (from end of tube)						

MFG SK



Or	dering code				1	2	3	4	5
		Exam	ple		SK	TS	CS	9F	N
1	Туре	SK =	- M	FG SK	>-	1	1	1	1
2	Tube	TS	=	standard tube					
		TAJ	=	tube for AJ3					
		тс	=	customized tube*					
3	Cable	CAJ	=	cable for AJ3					
		CS	=	standard cable					
				customized cable*					
4	Functions**	6F =	- 6	switches	1				
		9F =	= 9	9 switches					
		11F :	= 1	1 switches					
4	Decals	Ν	=	without decals (black)					
		Α	=	standard decals (arrows)**					
		С	=	customized decals					
*D	etails available o	n reque	st.	** see drawing o verleaf					

For more technical data and drawings see overleaf.

• rated for protection class IP65

Standard cable (CS):Typ:LIFY 0,34mm²Length:1.140 mm (from end of tube)

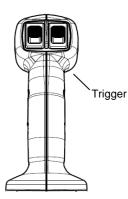


MFG S4

O	dering code		1	2	3	4	5	6	7	8
		Example	S 4	TAJ	CS	CS	AR4	AR4	V	T
1	Туре	S4 = MFG S4		1	1	1	1	1	1	1
2	Tube	TAJ = tube for AJ4								
		TC = customized tube*								
3	Cable	CAJ = cable for AJ4								
		CS = standard cable								
		CC = customized cable*								
4	Connector	CS = standard connector								
		CC = customized connector*								
5	Function A	N = no switch								
	(left / top)	1F = 1 Pushbutton switch								
		2F = 2 Pushbutton switches								
		AR4 = Analog Rocker 4								
		FNR = Forward-Neutral-Reverse								
6	Function B	N = no switch								
	(right / bottom)	1F = 1 Pushbutton switch								
		2F = 2 Pushbutton switches								
		AR4 = Analog Rocker 4								
		FNR = Forward-Neutral-Reverse								
7	Install position	H = horizontal								
		V = vertikal								
8	Trigger	N = None								
)etails available on reque	T = Trigger								

*Details available on request.

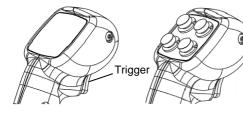
For more technical data and drawings see overleaf.



• Rated for protection class IP67

Standard cable (CS):Typ:AWG 20Length:700 mm (from end of tube) inclusive connectorConnector:Deutsch DT04 - I2P

Available variantes

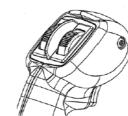


Blank Faceplate Order Code: Functions N N H

Max. 4 pushbutton switches Order Code: Functions 2F 2F H



Combination FNR switch and AR4 Order Code: Functions FNR AR4 V



Max. 2 Analog Rocker (AR4) Order Code: Functions AR4 AR4 V



Combination pushbutton switch and AR4 Order Code: Functions 1F AR4 V

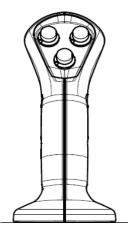
MFG S7



Ordering code		1	Γ	2	3	4	4	5
	Example	S7	П	ΓAJ	CS	3 C	S	L-AR4/R-1F
1 Type	S7 = MFG S7			1	1	1	h	Î
2 Tube	TAJ = tube for AJ4							
	TC = customized tube*							
3 Cable	CAJ = cable for AJ4							
	CS = standard cable							
	CC = customized cable*							
4 Connector	CS = standard connector						ļ	
	CC = customized connector*							
5 Functions	N = none							
	3F = 3 switches							
	L- / R- = Left - / Right -							
	N = none							
	1F = 1 switch							
	AR4 = Analog Rocker 4							

* Details available on request.

For more technical data and drawings see overleaf.



Rated for protection class IP67

Standard cable (CS): AWG 20 Typ: 700 mm (from end of tube) inclusive connector Length: Connector: Deutsch DT04 - I2P

Available variantes



Blank Faceplate Order Code: Functions N



AR4 left or right Order Code: Functions L-AR4 / R-N



AR4 left or right Order Code: Functions L-N / R-AR4



Combination pushbutton switch and AR4 Order Code: Order Code: Functions L-AR4 / R-1F



Combination pushbutton switch and AR4 Order Code: Order Code: Functions L-1F / R-AR4



1 pushbutton switch Functions L-N / R-1F



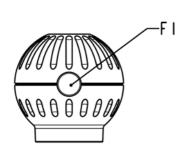
1 pushbutton switch Functions L-1F / R-N

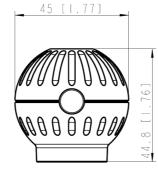


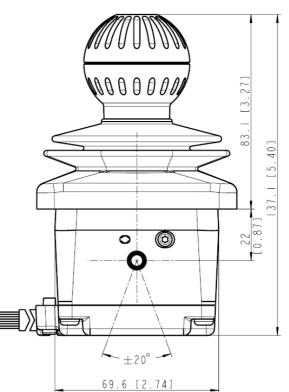
3 pushbutton switches Order Code: Functions 3F

MFG Ball small

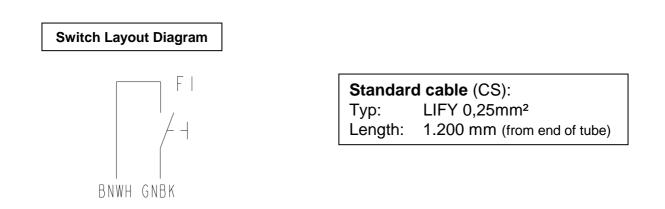






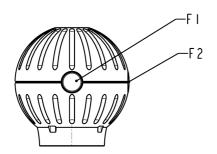


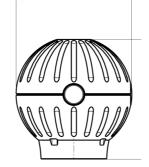
AJ3 joystick with MFG Ball small



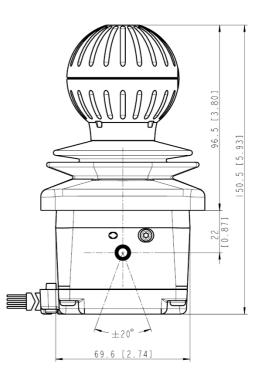
MFG Ball large



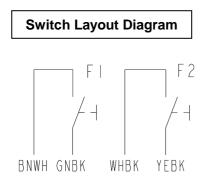




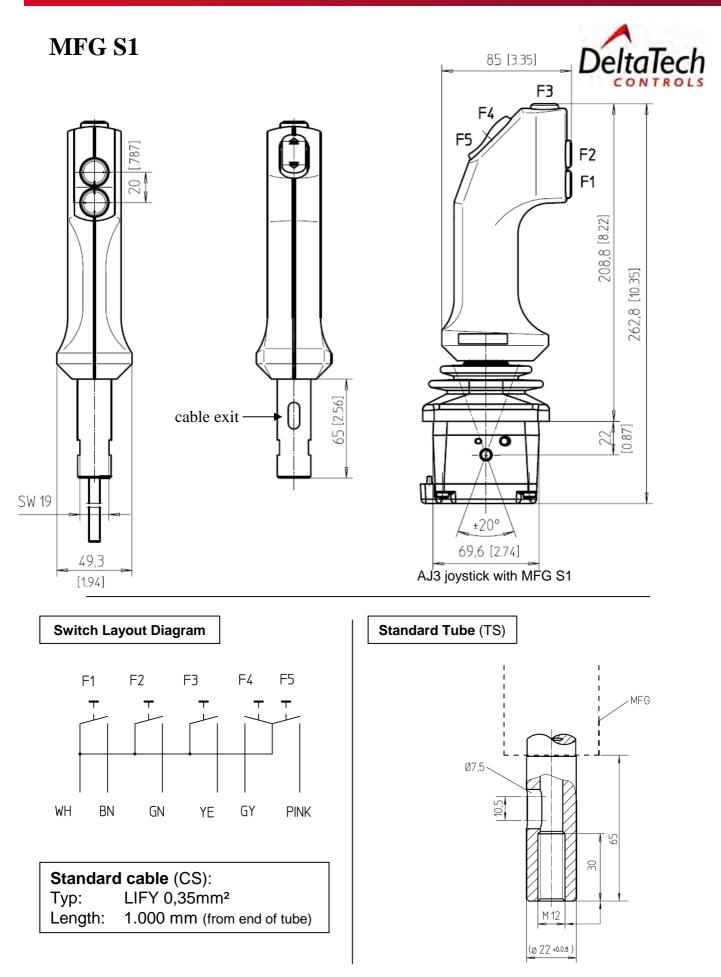
58 [2.28]



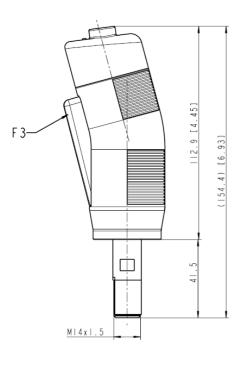
AJ3 joystick with MFG Ball large

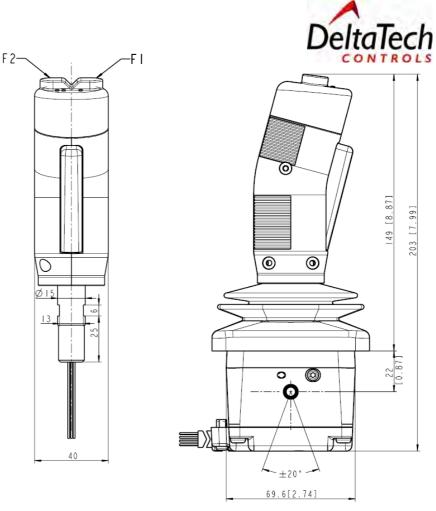


Standard cable (CS):							
Тур:	LIFY 0,25mm ²						
Length:	1.200 mm (from end of tube)						



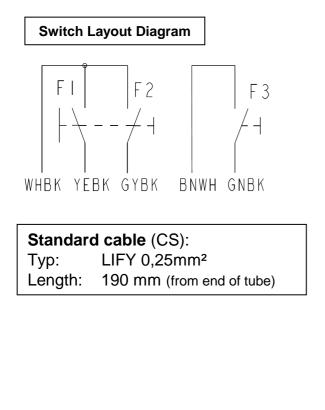
MFG S2

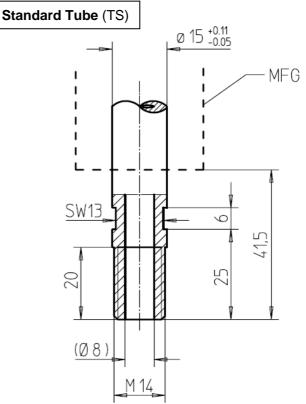


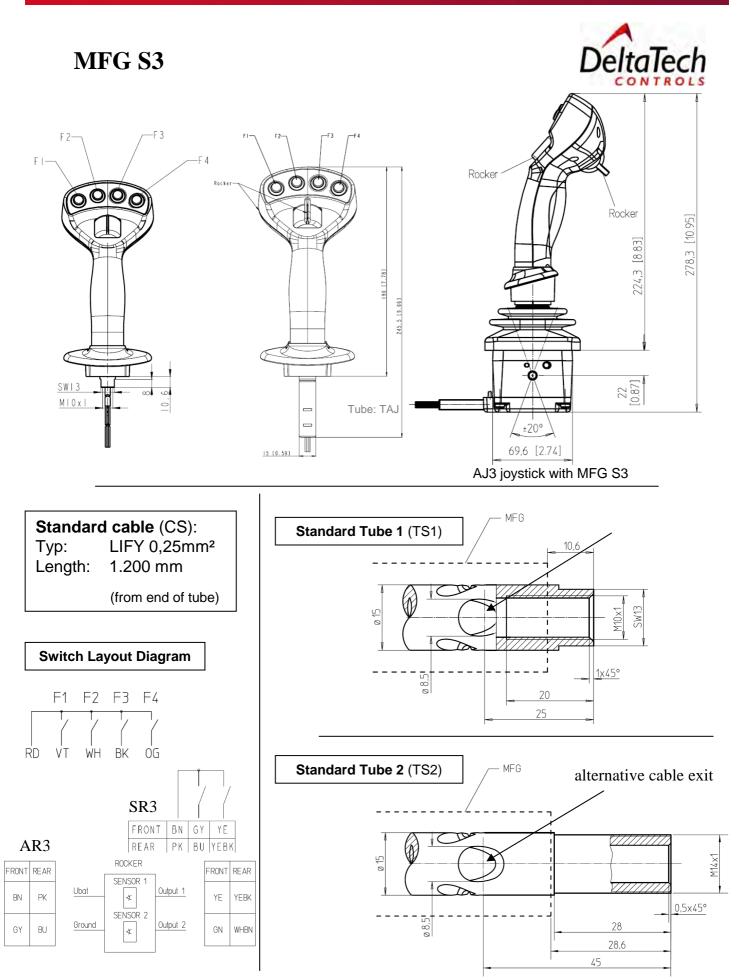


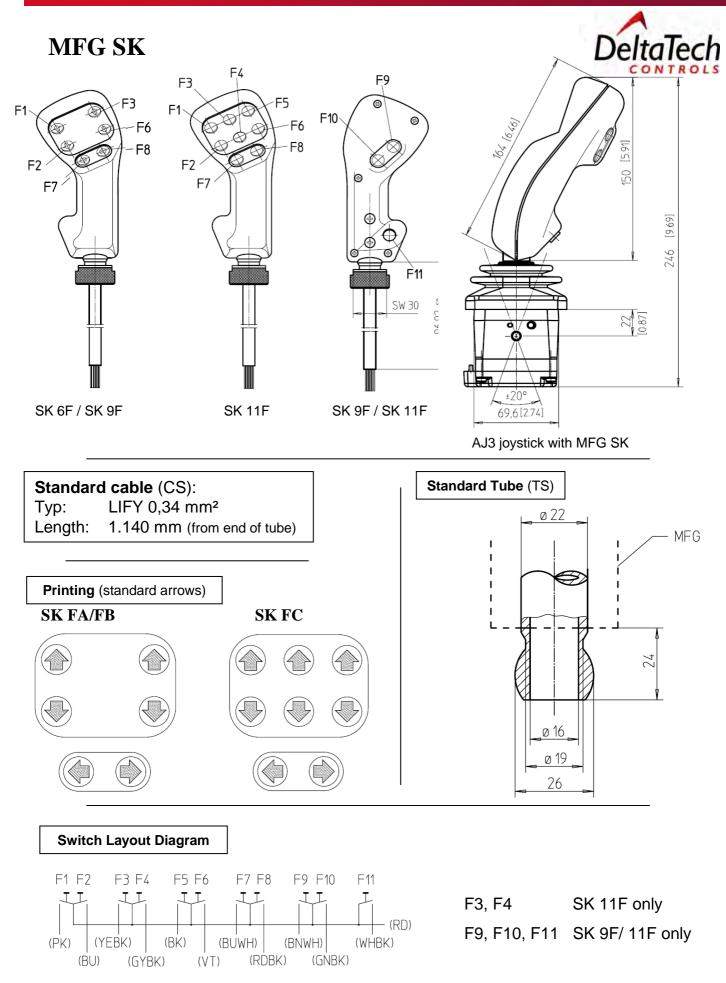
AJ3 joystick with MFG S2

49 [8.87] 203 [7.99]





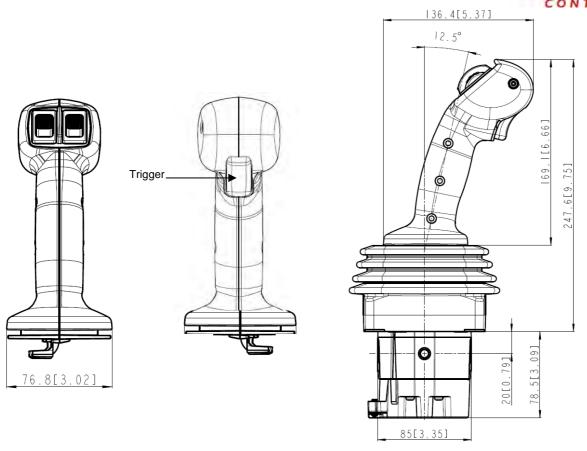




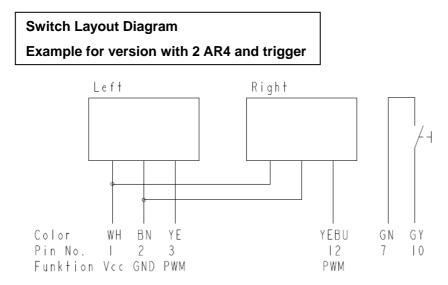
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MFG S4





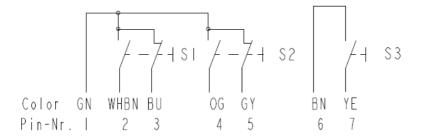
Standard cable (CS):Typ:AWG 20Length:700 mm (from end of tube) inclusive connectorConnector:Deutsch DT04 - I2P



DeltaTech **MFG S7** 04.5[4.11] 12.5° S S 3-158.9[6.26] 239.2[9.42] S 2-Ø 65.4[6.52] 0 Θ 60 19] 78.5[3. 20[0. 76.6[3.02] 85[3.35]

Standard cable (CS):Typ:AWG 20Length:700 mm (from end of tube) inclusive connectorConnector:Deutsch DT04 - I2P

Switch Layout Diagram Example for version with 1 AR4 and 1 pushbutton





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