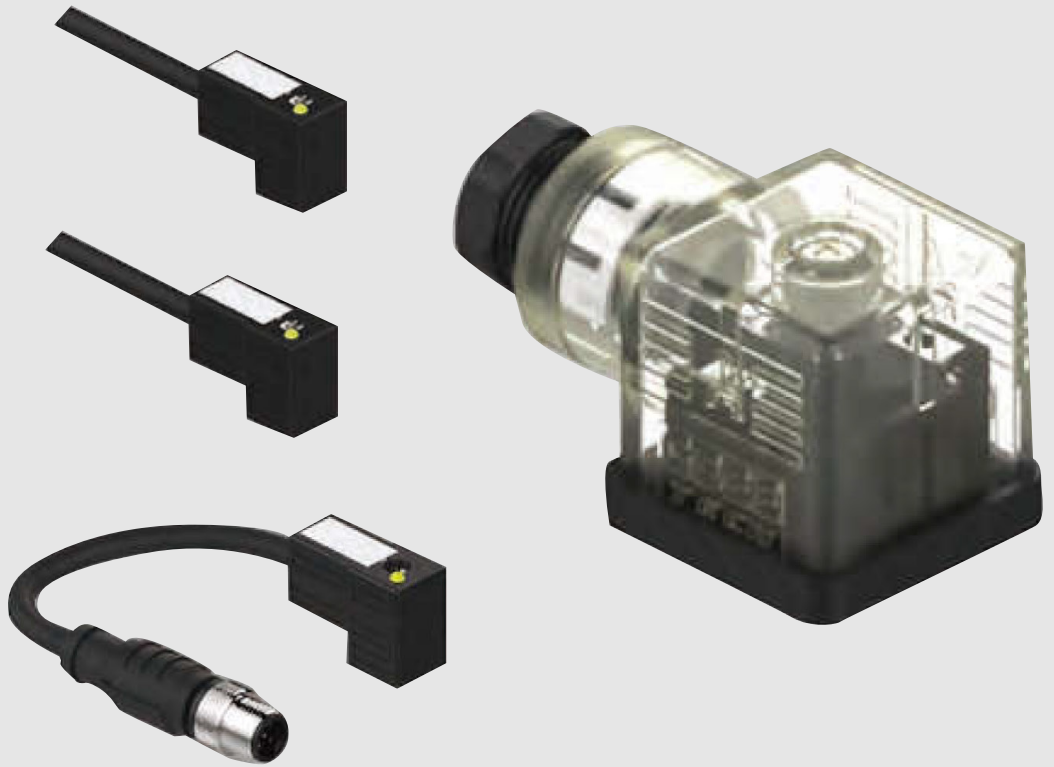


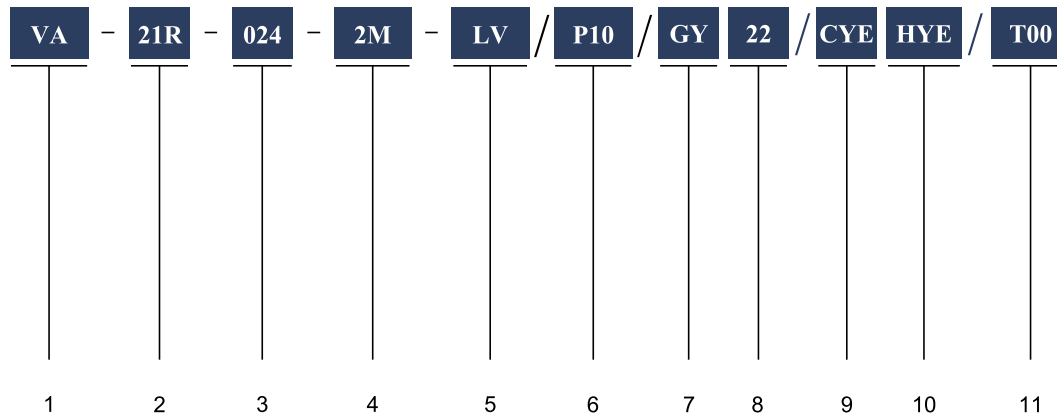
VALVE CONNECTORS

VALVE
VALVE
VALVE



VALVE
VALVE

Valve Connectors part number key



1 Types(According to the EN175301-803)
 VA A type
 VB B type
 VBI BI type
 VC C type
 VCI CI type

2 Contact spacing and Types
 21 2 Conductors + Ground
 31 3 Conductors + Ground
 21R 2 Conductors + Ground (180 ° reverse)
 31R 3 Conductors + Ground (180 ° reverse)

3 Rated voltage
 024 24DC
 048 48DC
 110 110DC
 220 220AC

4 Connection Type / Length in Meters
 2M Cable length 2M
 M12/2M M12 connection valve Cable length 2M
 M12L/2M M12 right angle connection valve Cable length 2M

5 LED indicator
 LV LED show and suppression
 L LED show and no suppression
 Blank No LED show and no suppression

6 Cable Jacket
 Blank PVC
 P10 PUR

7 Color of cable
 Blank Standard color
 GY Gary (customization)

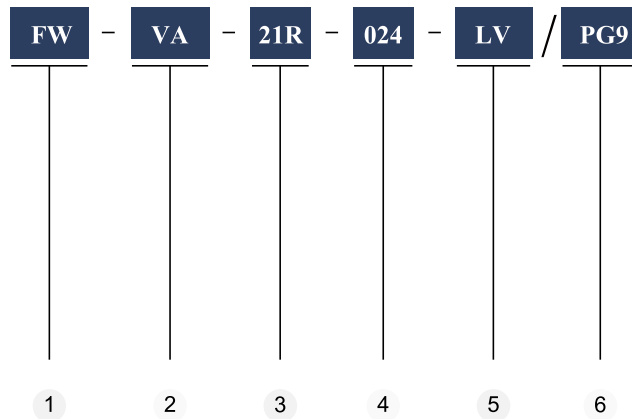
8 Wire gauge
 Blank Standard wire gauge 18AWG(0.75mm²)
 20 20AWG:0.5mm² (customization)

9 Color of contact carrier
 Blank Standard black
 CYE Yellow (customization)

10 Color of plug body
 Blank Standard black
 HYE Plug body yellow (customization)

11 Varieties

Valve field wireable connector part number key



<p>1 Valve field wireable connector</p>	<p>4 Rated voltage 024 24DC 048 48DC 110 110DC 220 220AC</p>
<p>2 Types(According to the EN175301-803) VA A type VB B type VBI B type VC C type VCI CI type</p>	<p>5 LED indicator LV LED show and suppression L LED show and no suppression Blank No LED show and no suppression</p>
<p>3 Contact spacing and Types 21 2 Conductors + Ground 31 3 Conductors + Ground 21R 2 Conductors + Ground (180 ° reverse) 31R 3 Conductors + Ground (180 ° reverse)</p>	<p>6 Thread Type (connection thread) PG7 Accepts 4-6 mm cable diameter PG9 Accepts 6-8 mm cable diameter PG11 Accepts 8-11 mm cable diameter</p>

A Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
2 Conductors + Ground
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VA21-024-2M-LV VA21-110-2M-LV	10061000 10061001	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VA21-024-2M-L VA21-110-2M-L VA21-220-2M-L	10061020 10061021 10061022	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VA21-024-2M VA21-110-2M VA21-220-2M	10061060 10061061 10061062	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VA21-024-M12/2M-LV VA21-110-M12/2M-LV	10061010 10061011	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VA21-024-M12/2M-L VA21-110-M12/2M-L VA21-220-M12/2M-L	10061030 10061031 10061032	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VA21-024-M12/2M VA21-110-M12/2M VA21-220-M12/2M	10061070 10061071 10061072	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

A Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
3 Conductors + Ground
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VA31-024-2M-LV VA31-110-2M-LV	10061800 10061810	PVC/Black 4x18AWG (4x0.75mm ²) Ø6.0mm Cable Type NO. 58032151-*M	
	VA31-024-2M-L VA31-110-2M-L VA31-220-2M-L	10061091 10061830 10061840	PVC/Black 4x18AWG (4x0.75mm ²) Ø6.0mm Cable Type NO. 58032151-*M	
	VA31-024-2M VA31-110-2M VA31-220-2M	10061850 10061860 10061870	PVC/Black 4x18AWG (4x0.75mm ²) Ø6.0mm Cable Type NO. 58032151-*M	
	VA31-024-M12/2M-LV VA31-110-M12/2M-LV	10061880 10061890	PVC/Black 4x18AWG (4x0.75mm ²) Ø6.0mm Cable Type NO. 58032151-*M	
	VA31-024-M12/2M-L VA31-110-M12/2M-L VA31-220-M12/2M-L	10061910 10061920 10061930	PVC/Black 4x18AWG (4x0.75mm ²) Ø6.0mm Cable Type NO. 58032151-*M	
	VA31-024-M12/2M VA31-110-M12/2M VA31-220-M12/2M	10061940 10061950 10061960	PVC/Black 4x18AWG (4x0.75mm ²) Ø6.0mm Cable Type NO. 58032151-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

A Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
4 Conductors + Ground
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VA32-024-2M-L VA32-110-2M-L VA32-220-2M-L	10061970 10061980 10061990	PVC/Black 5x20AWG (5x0.5mm ²) Ø6.0mm Cable Type NO. 58033151-*M	
	VA32-024-M12/2M-L VA32-110-M12/2M-L VA32-220-M12/2M-L	10062110 10062120 10062130	PVC/Black 5x20AWG (5x0.5mm ²) Ø6.0mm Cable Type NO. 58033151-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

B Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
2 Conductors + Ground
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VB21-024-2M-LV VB21-110-2M-LV	10062000 10062001	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21-024-2M-L VB21-110-2M-L VB21-220-2M-L	10062020 10062021 10062022	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21-024-2M VB21-110-2M VB21-220-2M	10062050 10062051 10062052	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21-024-M12/2M-LV VB21-110-M12/2M-LV	10062010 10062011	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21-024-M12/2M-L VB21-110-M12/2M-L VB21-220-M12/2M-L	10062030 10062031 10062032	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21-024-M12/2M VB21-110-M12/2M VB21-220-M12/2M	10062060 10062061 10062062	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

B Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
2 Conductors + Ground
180 ° reverse
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VB21R-024-2M-LV VB21R-110-2M-LV	10062074 10062075	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21R-024-2M-L VB21R-110-2M-L VB21R-220-2M-L	10062076 10062077 10062078	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21R-024-2M VB21R-110-2M VB21R-220-2M	10062079 10062080 10062081	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21R-024-M12/2M-LV VB21R-110-M12/2M-LV	10062082 10062083	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21R-024-M12/2M-L VB21R-110-M12/2M-L VB21R-220-M12/2M-L	10062084 10062085 10062086	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VB21R-024-M12/2M VB21R-110-M12/2M VB21R-220-M12/2M	10062087 10062088 10062089	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

BI Type Valve Connectors

- Cable Jacket: PVC PUR
- Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin : 2 Conductors + Ground
- Pollution degree:3
- Temperature range : -30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VBI21-024-2M-LV VBI21-110-2M-LV	10063055 10063001	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21-024-2M-L VBI21-110-2M-L VBI21-220-2M-L	10063020 10063021 10063022	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21-024-2M VBI21-110-2M VBI21-220-2M	10063040 10063041 10063042	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21-024-M12/2M-LV VBI21-110-M12/2M-LV	10063010 10063011	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21-024-M12/2M-L VBI21-110-M12/2M-L VBI21-220-M12/2M-L	10063030 10063031 10063032	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21-024-M12/2M VBI21-110-M12/2M VBI21-220-M12/2M	10063050 10063051 10063052	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

BI Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
2 Conductors + Ground
180 ° reverse
- Pollution degree 3
- Temperature range
-30...+80 °C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VBI21R-024-2M-LV VBI21R-110-2M-LV	10063056 10063057	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21R-024-2M-L VBI21R-110-2M-L VBI21R-220-2M-L	10063058 10063059 10063060	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21R-024-2M VBI21R-110-2M VBI21R-220-2M	10063061 10063062 10063063	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21R-024-M12/2M-LV VBI21R-110-M12/2M-LV	10063064 10063065	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21R-024-M12/2M-L VBI21R-110-M12/2M-L VBI21R-220-M12/2M-L	10063066 10063067 10063068	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VBI21R-024-M12/2M VBI21R-110-M12/2M VBI21R-220-M12/2M	10063069 10063070 10063071	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

C Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
2 Conductors + Ground
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VC21-024-2M-LV	10064000	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VC21-024-2M-L	10064020	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VC21-024-2M VC21-110-2M VC21-220-2M	10064040 10064041 10064042	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VC21-024-M12/2M-LV	10064010	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VC21-024-M12/2M-L	10064030	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VC21-024-M12/2M VC21-110-M12/2M VC21-220-M12/2M	10064211 10064051 10064052	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

CI Type Valve Connectors

- Cable Jacket: PVC PUR
Special material customization
- Housing material : PUR
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Number of pin :
2 Conductors + Ground
- Pollution degree:3
- Temperature range
:-30...+80°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VCI21-024-2M-LV	10065000	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VCI21-024-2M-L	10065020	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VCI21-024-2M VCI21-110-2M VCI21-220-2M	10065040 10065041 10065042	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VCI21-024-M12/2M-LV	10065010	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VCI21-024-M12/2M-L	10061094	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	
	VCI21-024-M12/2M VCI21-110-M12/2M VCI21-220-M12/2M	10065050 10065051 10065052	PVC/Black 3x18AWG (3x0.75mm ²) Ø6.0mm Cable Type NO. 58020251-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

A type field wirable Valve connector

- Cable Jacket PBT,transparent /PA6+GF
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Accepts cable diameter : PG9(6-8)mm , PG11(8-11)mm
- Number of pin : 2 Conductors + Ground
- Pollution degree:3
- Temperature range :-30...+90°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram	
	FW-VA21-024-LV/PG9	10066012	LED show		
	FW-VA21-110-LV/PG9	10066013	Suppression		
	FW-VA21-220-LV/PG9	10066014	2 Conductors + Ground		
		FW-VA21-024-LV/PG11	10066015	PG9 cable gland	
		FW-VA21-110-LV/PG11	10066002	Accepts 6-8 mm cable diameter	
		FW-VA21-220-LV/PG11	10066016	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA21-024-L/PG9	10066010	LED show		
	FW-VA21-110-L/PG9	10066017	No Suppression		
	FW-VA21-220-L/PG9	10066018	2 Conductors + Ground		
	FW-VA21-024-L/PG11	10066019	PG9 cable gland		
	FW-VA21-110-L/PG11	10066020	Accepts 6-8 mm cable diameter		
	FW-VA21-220-L/PG11	10066021	PG11 cable gland Accepts 8-11 mm cable diameter		
	FW-VA21/PG9	10066022	No LED show		
	FW-VA21/PG11	10066001	No Suppression		
			2 Conductors + Ground		
			PG9 cable gland		
			Accepts 6-8 mm cable diameter		
			PG11 cable gland		
			Accepts 8-11 mm cable diameter		

A type field wirable Valve connector

- Cable Jacket PBT,transparent /PA6+GF
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Accepts cable diameter : PG9(6-8)mm , PG11(8-11)mm
- Number of pin : 3 Conductors + Ground
- Pollution degree:3
- Temperature range :-30...+90°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	FW-VA31-024-LV/PG9	10066035	LED show	
	FW-VA31-110-LV/PG9	10066036	Suppression	
	FW-VA31-220-LV/PG9	10066037	3 Conductors + Ground	
	FW-VA31-024-LV/PG11	10066003	PG9 cable gland	
	FW-VA31-110-LV/PG11	10066038	Accepts 6-8 mm cable diameter	
	FW-VA31-220-LV/PG11	10066039	PG11 cable gland	
	FW-VA31-024-L/PG9	10066040	LED show	
	FW-VA31-110-L/PG9	10066041	No Suppression	
	FW-VA31-220-L/PG9	10066042	3 Conductors + Ground	
	FW-VA31-024-L/PG11	10066008	PG9 cable gland	
	FW-VA31-110-L/PG11	10066043	Accepts 6-8 mm cable diameter	
	FW-VA31-220-L/PG11	10066044	PG11 cable gland	
	FW-VA31/PG9	10066011	No LED show	
	FW-VA31/PG11	10066009	No Suppression	
			3 Conductors + Ground	
			PG9 cable gland	
			Accepts 6-8 mm cable diameter	
			PG11 cable gland	
			Accepts 8-11 mm cable diameter	

C type field wirable Valve connector

- Cable Jacket PBT,transparent /PA6+GF
- Pin : Silver plated copper alloy
- Material of contact carrier : Nylon
- IP degree : IP67
- Accepts cable diameter : PG7(4-6)mm
- Number of pin : 2 Conductors + Ground
- Pollution degree:3
- Temperature range :-30...+90°C



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	FW-VC21-024-LV/PG7	10066060	LED show Suppression 2 Conductors + Ground PG7 cable gland Accepts 4-6 mm cable diameter	
	FW-VC21-024-L/PG7	10066053	LED show No Suppression 2 Conductors + Ground PG7 cable gland Accepts 4-6 mm cable diameter	
	FW-VC21/PG7	10066050	No LED show No Suppression 2 Conductors + Ground PG7 cable gland Accepts 4-6 mm cable diameter	