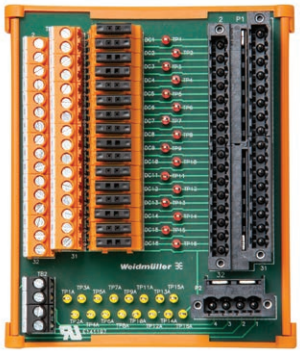
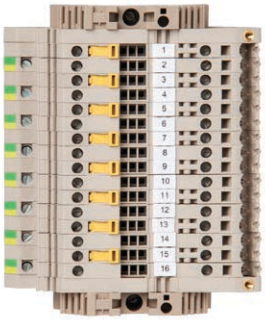
Datasheet
Marshalling Solutions For Control Systems

NEW





Weidmuller has created a complete system of field wiring termination and control system marshalling for Decision Control Systems (DCS) or Programmable Logic Controller (PLC). This system is comprised of modular components or assemblies that allow for fast, error-free connection of field devices and controllers. These components include:

Marshalling Cables

Available in lengths from 1.5 to 100 meters with a variety of end treatments, including:

- Ferruled flying leads
- Blunt flying leads
- Ring Lug leads
- Tinned flying leads
- Pluggable 5.08mm connectors (BLZ)
- Pluggable Clamshell connectors

All cables are marked at each point and contain drain connections on each cable end.

Field Termination Assemblies (FTA)

A full line of interface modules is available which greatly reduces cabinet space, shortens the time to marshal and provides error-free connections. Weidmuller FTAs include:

- 8, 16, 24, 48 channel versions
- Field wiring left or right versions
- Screw termination or tension clamp connections
- LED status indication
- Channel disconnects
- Versions with or without test points
- Integrated ground (PE)

Terminal Block Kits

For ease of use and flexibility, nothing beats terminal blocks. Weidmuller has created a selection of pre-bundled kits using the industry leading multi-function terminal block line, the WMF. The kits include:

- 4, 16, 32 channel versions
- Pluggable and screw connections
- Integrated ground (PE)
- Versions with or without test points
- Versions with or without disconnect

Using these modular components, almost any combination of discrete or analog signals can be marshalled or wired, regardless of the DCS or PLC used.

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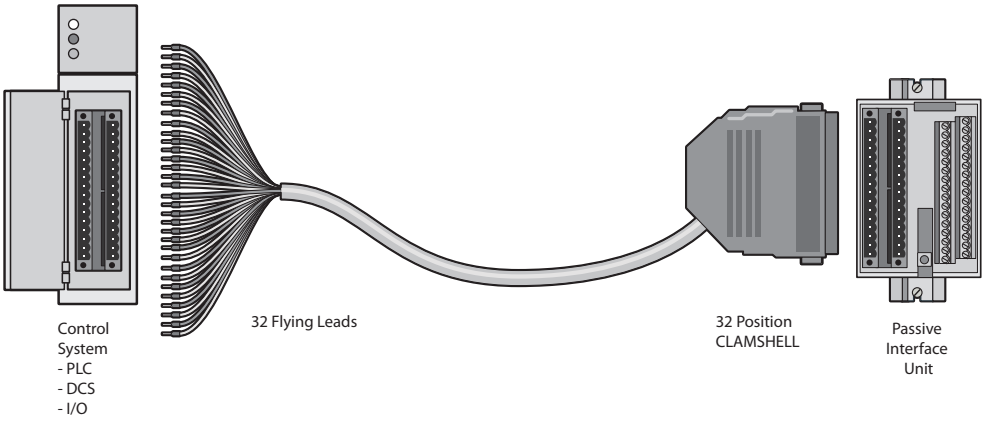
Typical Application Configurations

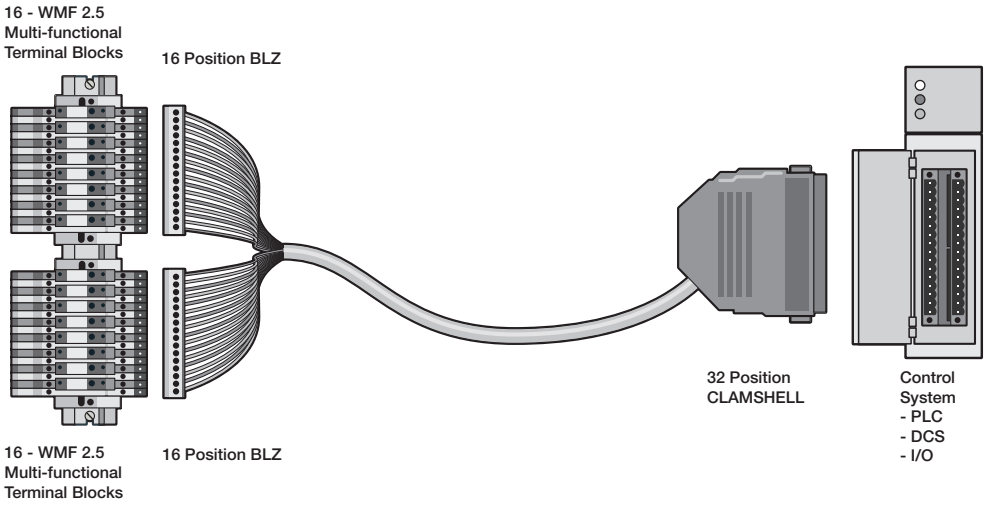
This marshalling solution has a 32-conductor cable with ferruled flying leads on one end for easy connection to the front panel of the Controller. The field end has a 32 position Clamshell 5.08mm BLZ connector that can easily plug into a Weidmuller 32 pole interface board.

- Ferruled conductors
- Wiring flexibility
- Reduced termination time
- Color coded conductors



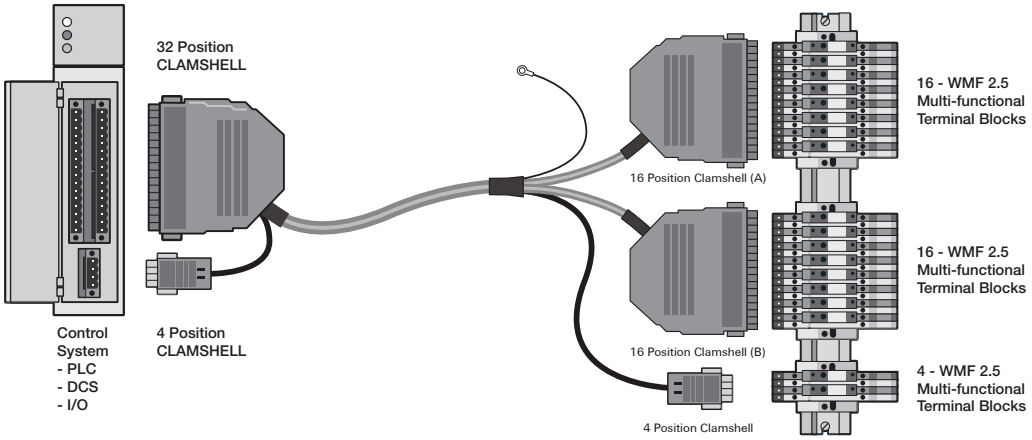
Marshalling is made easy with a 32 position Clamshell 5.08mm BLZ connector for connection on the DCS, along with two-16 pole BLZ 5.08 connectors on the field end for a strong connection to the Weidmuller WMF terminal block grouping.

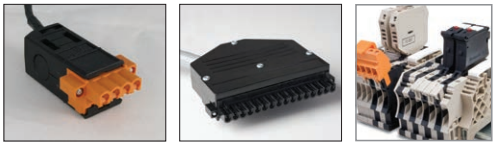
- Reduced termination time
- Color coded conductors



This cable is a 36 conductor cable with a 32 position Clamshell 5.08mm BLZ connector for easy connection on the DCS side along with a 4 pole break out for separated potential connections. On the field side we have two-16 pole Clamshell 5.08mm connectors and a 4-pole connector separate. These connectors provide connection to the Weidmuller WMF terminal block grouping.

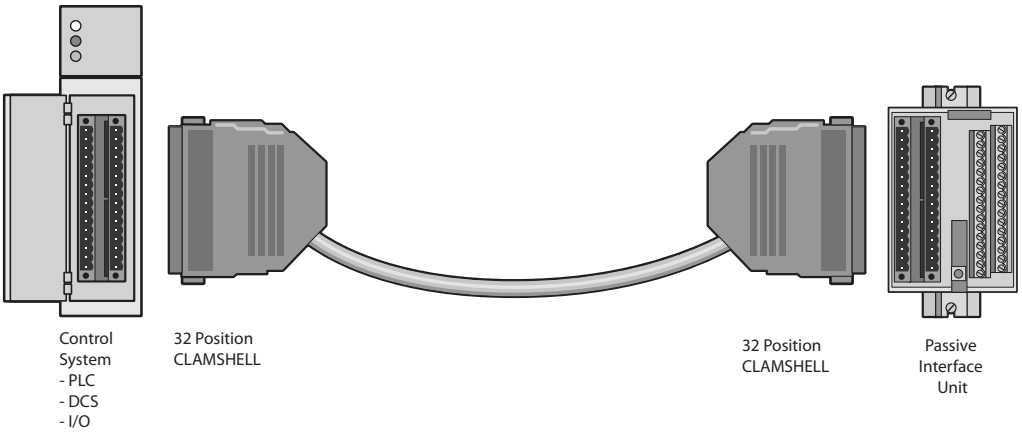
- Reduced wiring time
- Four added positions for power distribution options
- Color coded conductors

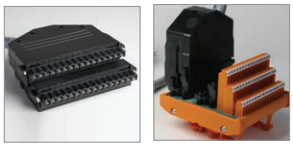




The 32 to 32 Clamshell cable is a great way to quickly connect between an interface module and the Control system.

- Quick termination
- Reduced install time
- Keyed connectors to reduce potential wiring errors

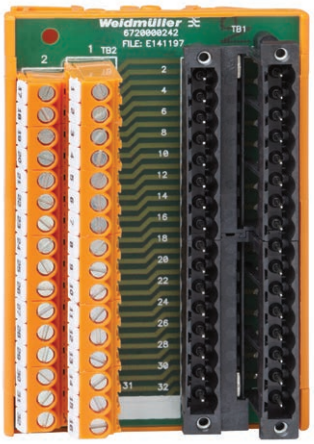


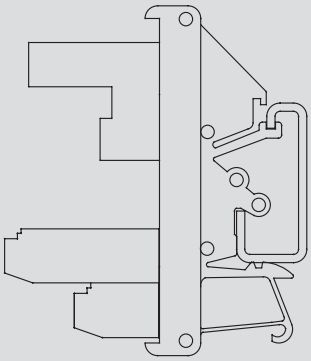


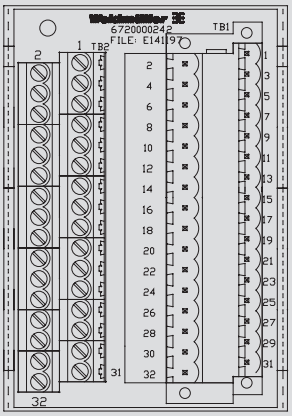
Passive Interface Unit

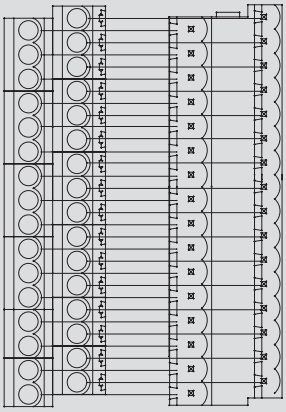
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from LEFT side
- 16 Channels
- Feed through connections
- For analog/discrete signals
- 32 points
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2): CC-TDI110/TDI120/ TDI220/TDI230 (NEED 2): CC-TDOB01/TDOB11 (NEED 2)

32 pole, feed through interface module (Field wiring left)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4 in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.0 x 2.8 x 2.6 / 101.6 x 71.1 x 66
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole, feed through interface module (Field wiring left)	1	**6720000242**
Note			

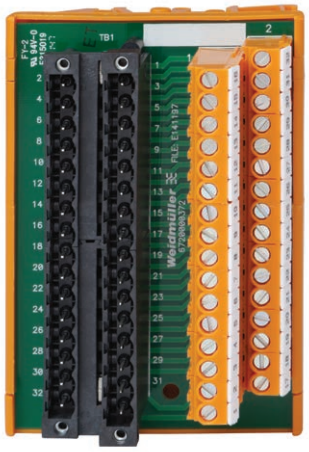
Accessories

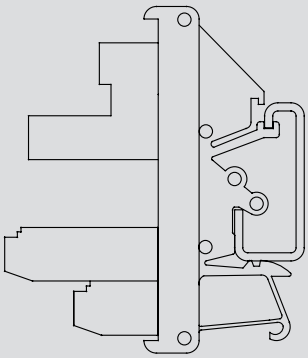
		DWG No.
Optional Cable	a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

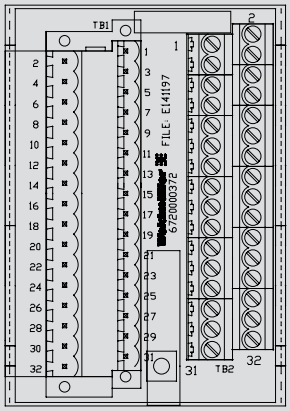
Passive Interface Unit

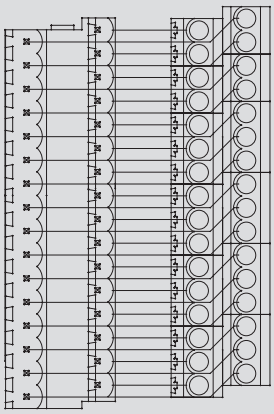
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from RIGHT side
- 16 Channels
- Feed through connections
- For analog/discrete signals
- 32 points
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2): CC-TDI110/TDI120/ TDI220/TDI230 (NEED 2): CC-TDOB01/TDOB11 (NEED 2)

32 pole, feed through interface module (Field wiring right)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4. in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.0 x 2.8 x 2.6 / 101.6 x 71.1 x 66
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole, feed through interface module (Field wiring right)	1	**6720000372**
Note			

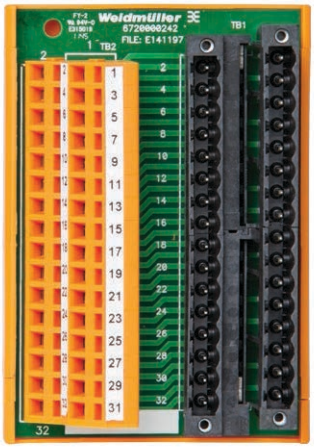
Accessories

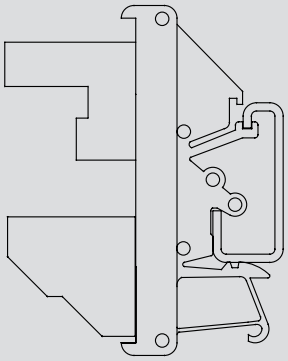
		DWG No.
Optional Cable	a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

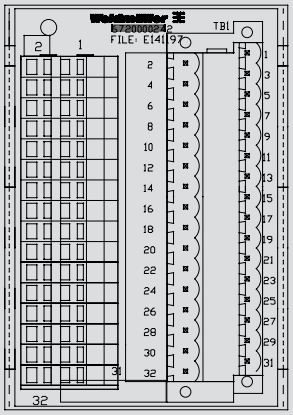
Passive Interface Unit

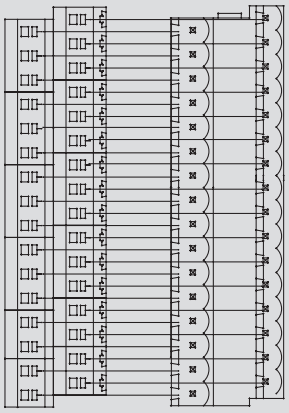
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from LEFT side
- 16 Channels
- Feed through connections
- For analog/discrete signals
- 32 points
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2): CC-TDI110/TDI120/ TDI220/TDI230 (NEED 2): CC-TDOB01/TDOB11 (NEED 2)

32 pole, feed through interface module (Field wiring left)









Technical data

Connection data	
Process side	Tension connection
Type	LM2NZF terminal
Torque	N / A
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 24 ...14
Insulation stripping length	7.5mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.0 x 2.8 x 2.6 / 101.6 x 71.1 x 66
Note	

Ordering data

	Model	Qty	Part No.
Tension connection	32-pole, feed through interface module (Field wiring left)	1	**6720000587**
Note			

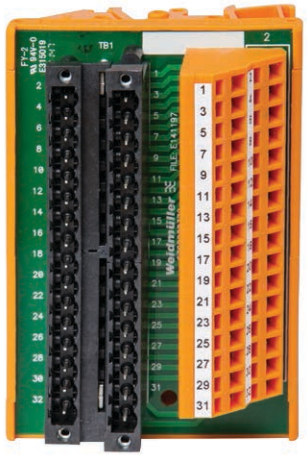
Accessories

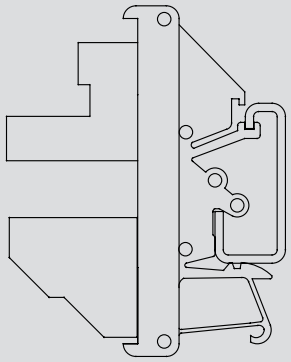
		DWG No.
Optional Cable	a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

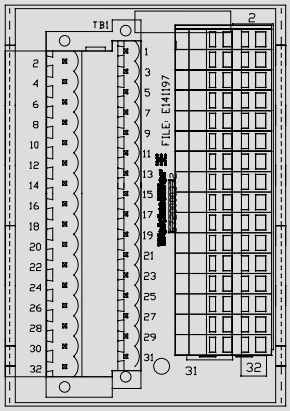
Passive Interface Unit

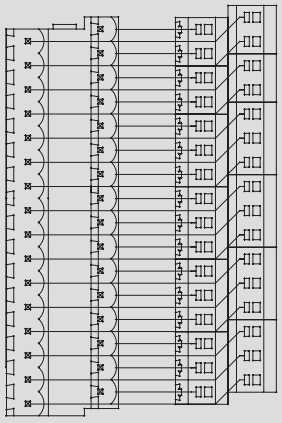
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from RIGHT side
- 16 Channels
- Feed through connections
- For analog/discrete signals
- 32 points
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2): CC-TDI110/TDI120/ TDI220/TDI230 (NEED 2): CC-TDOB01/TDOB11 (NEED 2)

32 pole, feed through interface module (Field wiring right)









Technical data

Connection data	
Process side	Tension connection
Type	LM2NZF terminal
Torque	N / A
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 24 ...14
Insulation stripping length	7.5mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.0 x 2.8 x 2.6 / 101.6 x 71.1 x 66
Note	

Ordering data

	Model	Qty	Part No.
Tension connection	32-pole feed through interface module (Field wiring right)	1	**6720000588**
Note			

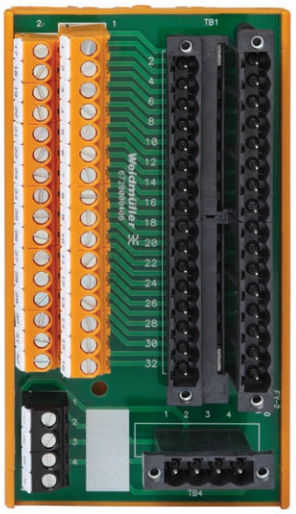
Accessories

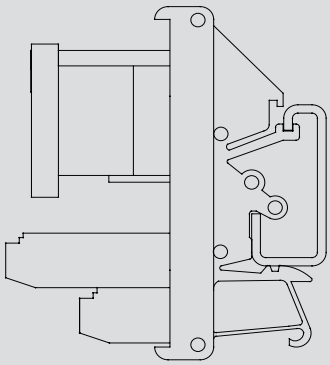
	DWG No.
Optional Cable	a clamshell 32-pole to clamshell 32-pole **MS - C32x - C32x - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used

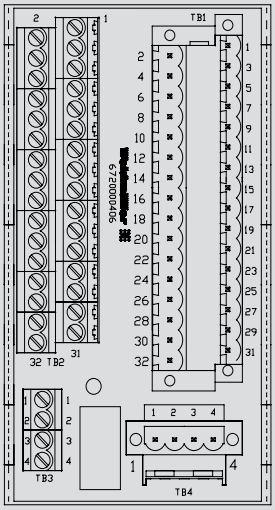
Passive Interface Unit

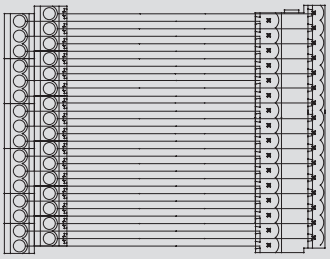
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from LEFT side
- 16 Channels
- Feed through connections
- For analog signals
- 32 points
- 4 additional terminations for power/return connections
- Honeywell C300 IOTAs
  – CC-TAIX01/TAIX11

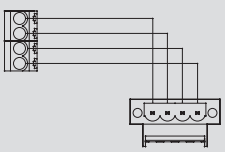
32 pole + 4, feed through interface module (Field wiring left)











Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4. in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	5.1 x 2.8 x 2.6 / 129.5 x 71.1 x 66
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole plus 4-pole power, feed through interface module (Field wiring left)	1	**6720000406**
Note			

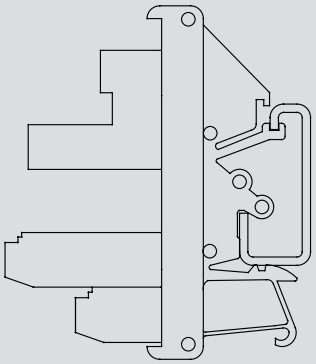
Accessories

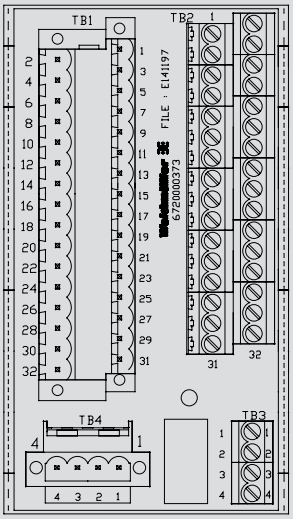
		DWG No.
Optional Cables	a clamshell 32-pole each end	**MS - C32x - C32x - Lxx - xxx**
	a clamshell 32-pole + 4-pole each end	**MS - C2+xxx - C2+xxx - Lxx - xxx**
Note		

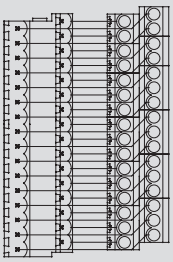
Passive Interface Unit

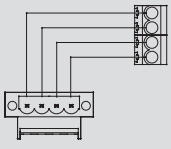
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from RIGHT side
- 16 Channels
- Feed through connections
- For analog signals
- 32 points
- 4 additional terminations for power/return connections
- Honeywell C300 IOTAs
  - CC-TAIX01/TAIX11

32 pole + 4, feed through interface module (Field wiring right)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4. in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	5.1 x 2.8 x 2.6 / 129.5 x 71.1 x 66
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole plus 4-pole power, feed through interface module (Field wiring right)	1	**6720000373**
Note			

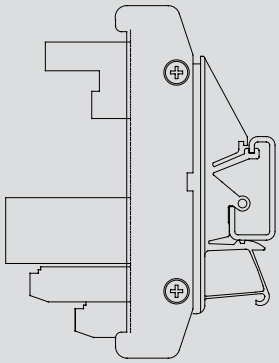
Accessories

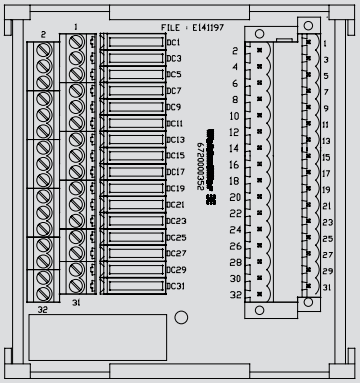
		DWG No.
Optional Cables	a clamshell 32-pole each end	**MS - C32x - C32x - Lxx - xxx**
	a clamshell 32-pole + 4-pole each end	**MS - C2+xxx - C2+xxx - Lxx - xxx**
Note		

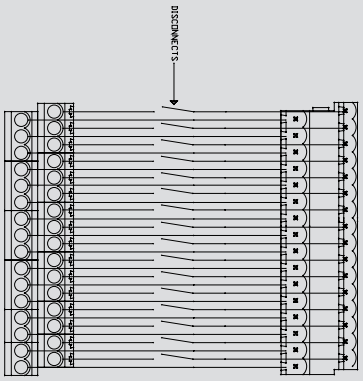
Passive Interface Unit

- CLAMSHELL style connection on module
- Disconnects for each channel
- Reduce Cabinet Space
- Field wiring terminations from LEFT side
- 16 Channels
- Feed through connections with disconnects
- For analog/discrete signals
- 32 points
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2): CC-TDOB01/TDOB11 (NEED 2)

32 pole, disconnect interface module (Field wiring left)







Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4 in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	Yes
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.7 x 4.4 x 3.6 / 119.4 x 111.8 x 91.5
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole, disconnect interface module (Field wiring left)	1	**6720000352**
Note	Disconnects located on terminals 1,3,5....29,31		

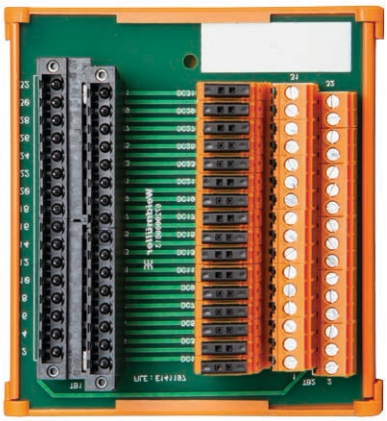
Accessories

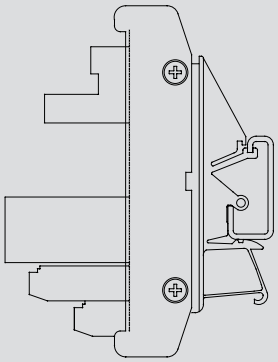
		DWG No.
Optional Cable	a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

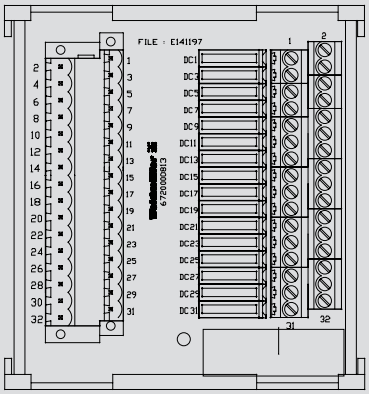
Passive Interface Unit

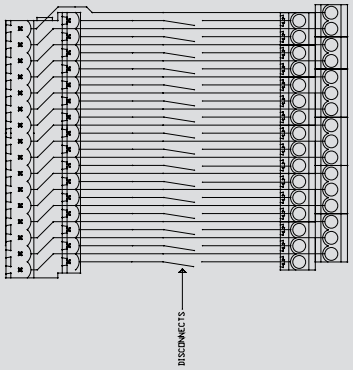
- CLAMSHELL style connection on module
- Disconnects for each channel
- Reduce Cabinet Space
- Field wiring terminations from RIGHT side
- 16 Channels
- Feed through connections with disconnects
- For analog/discrete signals
- 32 points
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2): CC-TDOB01/TDOB11 (NEED 2)

32 pole, disconnect interface module (Field wiring right)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4 in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	Yes
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.7 x 4.4 x 3.6 / 119.4 x 111.8 x 91.5
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole, disconnect interface module (Field wiring right)	1	**6720000813**
Note	Disconnects located on terminals 1,3,5....29,31		

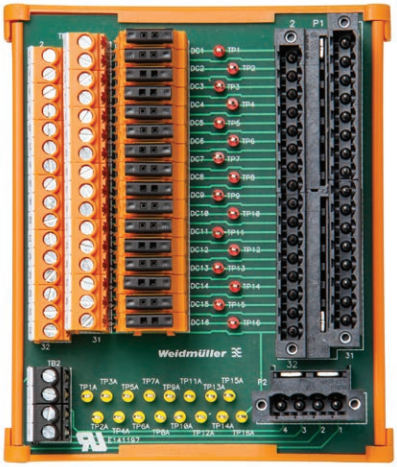
Accessories

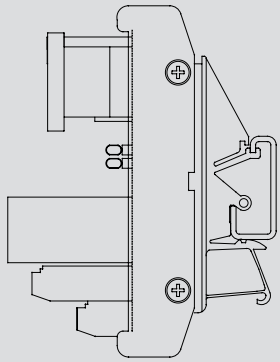
		DWG No.
Optional Cable	a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

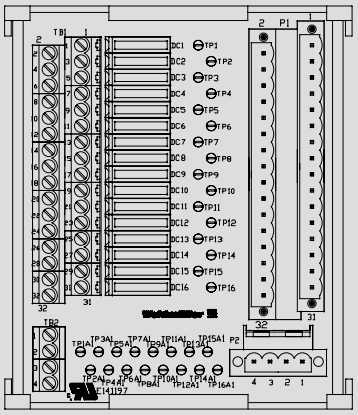
Passive Interface Unit

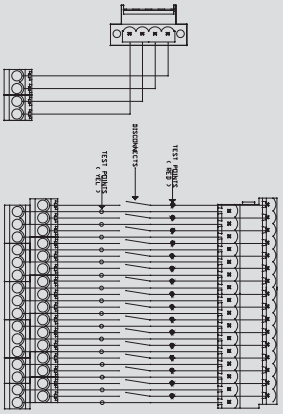
- CLAMSHELL style connection on module
- Test points for HART monitoring
- Disconnects for each channel
- Reduce Cabinet Space
- Field wiring termination from LEFT side
- 16 channels
- Feed through connections with disconnects
- For analog signals
- 32 points
- 4 additional terminations for power/ return connections
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON1: CC-TDIL01/TDIL11 (NEED 2)

32 pole, disconnect interface module (Field wiring left)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4 in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	50V
Max. current per channel	1A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	Yes
Voltage measuring test points	Yes
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	5.1 x 4.4 x 3.6 / 129.5 x 111.8 x 91.5
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole, disconnect interface module (Field wiring left)	1	**6720000764**
Note	Disconnects located on terminals 1,3,5....29,31		

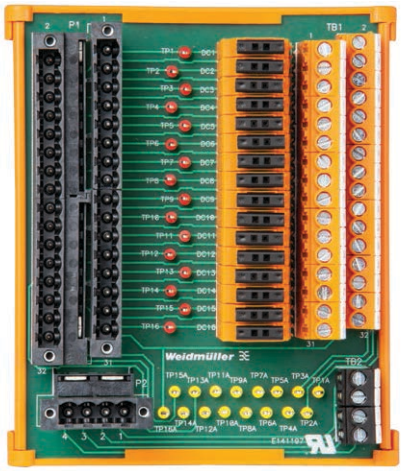
Accessories

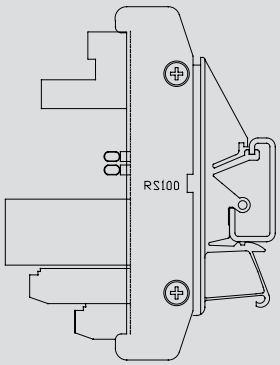
		DWG No.
Optional Cables	a clamshell 32-pole to clamshell 32-pole **OR**	**MS - C32x - C32x - Lxx - xxx**
	a clamshell 32-pole + 4-pole each end	**MS - C2+xxx - C2+xxx - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

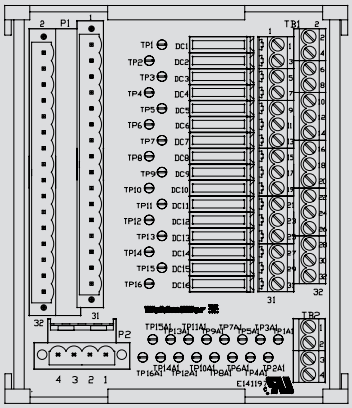
Passive Interface Unit

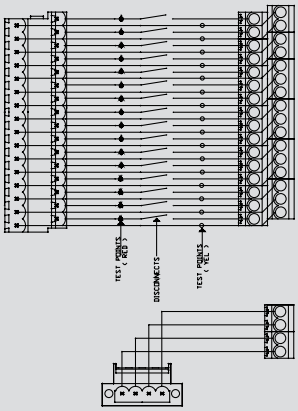
- CLAMSHELL style connection on module
- Test points for HART monitoring
- Disconnects for each channel
- Reduce Cabinet Space
- Field wiring termination from RIGHT side
- 16 channels
- Feed through connections with disconnects
- For analog signals
- 32 points
- 4 additional terminations for power/ return connections
- Honeywell C300 IOTAs
  - CC-TAOX01/TAOX11/TAON01/ TAON11: CC-TDIL01/TDIL11 (NEED 2)

32 pole, disconnect interface module (Field wiring right)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4 in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	50V
Max. current per channel	1A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	Yes
Voltage measuring test points	Yes
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	5.1 x 4.4 x 3.6 / 129.5 x 111.8 x 91.5
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	32-pole, disconnect interface module (Field wiring right)	1	**6720000763**
Note	Disconnects located on terminals 1,3,5....29,31		

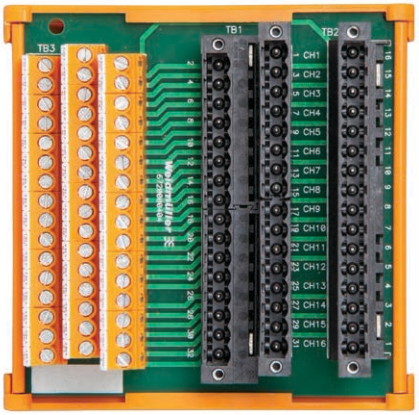
Accessories

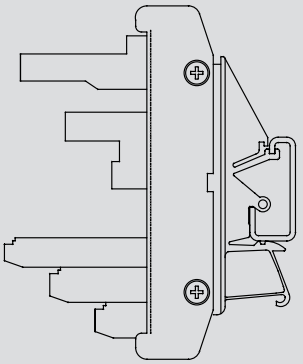
		DWG No.
Optional Cables	a clamshell 32-pole to clamshell 32-pole **OR**	**MS - C32x - C32x - Lxx - xxx**
	a clamshell 32-pole + 4-pole each end	**MS - C2+xxx - C2+xxx - Lxx - xxx**
Note	Required quantity based on Honeywell IOTA used	

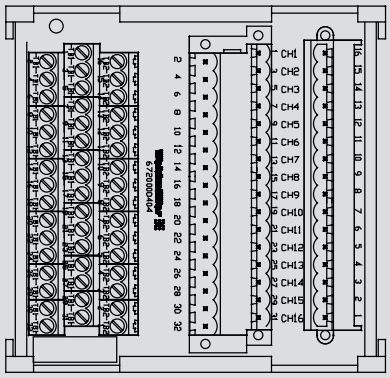
Passive Interface Unit

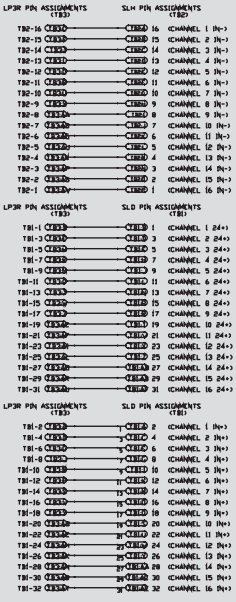
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring terminations from LEFT side
- 16 Channels
- Feed through connections
- For differential analog input signals
- 48 points
- Honeywell C300 IOTAs
  – C-TAID01/TAID11

48 pole, differential feed through interface module (Field wiring left)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4. in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole and CLAMSHELL SLD 16-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.2 x 4.4 x 3.7 / 106.7 x 111.8 x 94.0
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	48 pole, differential feed through interface module (Field wiring left)	1	**6720000404**
Note			

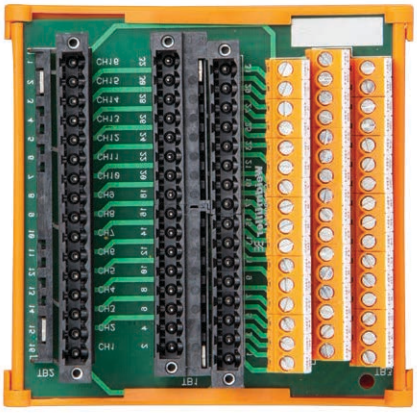
Accessories

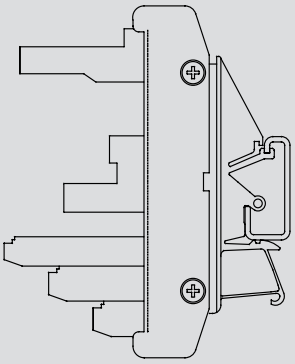
		DWG No.
Optional Cables	a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
	a clamshell 16-pole each end	**MS - C16x - C16x - Lxx - xxx**
Note		

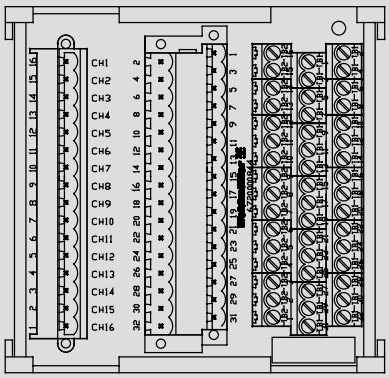
Passive Interface Unit

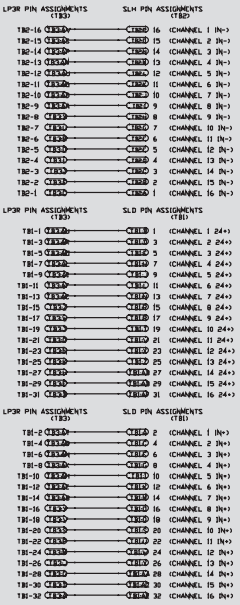
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Field wiring termination from RIGHT side
- 16 channels
- Feed through connections
- For differential analog input signals
- 48 points
- Honeywell C300 IOTAs
  – CC-TAID01/TAID11

48 pole, differential feed through interface module (Field wiring right)









Technical data

Connection data	
Process side	Screw connection
Type	LP2N terminal
Torque	4.4 in-lbs (0.5Nm)
Control side	Plug connection
Type	CLAMSHELL SLD 32-Pole and CLAMSHELL SLD 16-Pole
Rated data	
Rated voltage	250V
Max. current per channel	5A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	No
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	No
Power supply fuse	No
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	4.2 x 4.4 x 3.7 / 106.7 x 111.8 x 94.0
Note	

Ordering data

	Model	Qty	Part No.
Screw connection	48 pole, differential feed through interface module (Field wiring right)	1	**6720000844**
Note			

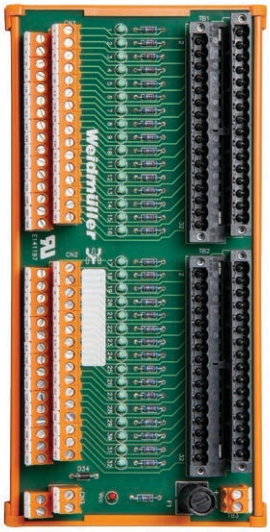
Accessories

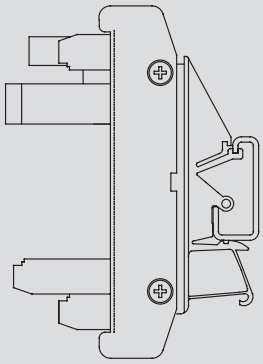
	DWG No.
Optional Cables	
a clamshell 32-pole to clamshell 32-pole	**MS - C32x - C32x - Lxx - xxx**
a clamshell 16-pole each end	**MS - C16x - C16x - Rxx - xxx**
Note	

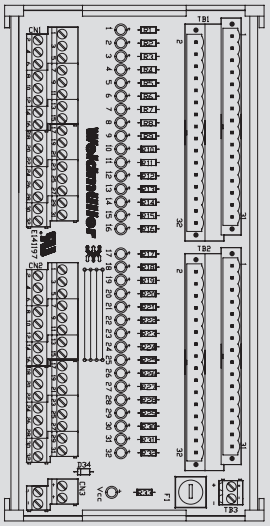
Passive Interface Unit

- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Channel indication LED
- Field wiring termination from LEFT side
- 32 channels
- Feed through connections
- For digital input signals (non-line monitored)
- 64 points (2 x 32)
- Honeywell C300 IOTAs
  - CC-TDIL01/TDIL11 (NON-LINE MONITORED ONLY)

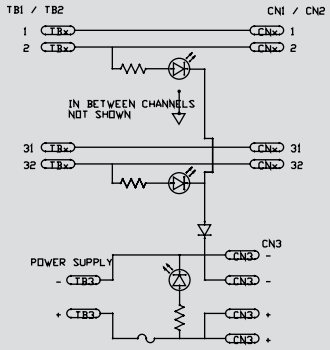
64 pole, digital input interface module with indication LED (Field wiring left)







TYPICAL CONNECTIONS BETWEEN TB1 AND CN1
(TB2 AND CN2 ARE IDENTICAL)



Technical data

Connection data	
Process side	Screw connection
Type	LM2N terminal
Torque	4.4. in-lbs (0.5Nm)
Control side	Plug connection
Type	2 X CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	24 Vdc
Max. current per channel	1A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	Yes
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	Yes
Power supply fuse	Yes
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	9.0 x 4.5 x 3.6 / 229 x 115 x 91.5
Note	For use with non-line monitored inputs only

Ordering data

	Model	Qty	Part No.
Screw connection	32-channel digital input interface module (Field wiring left)	1	**6720000570**
Note	For use with non-line monitored inputs only		

Accessories

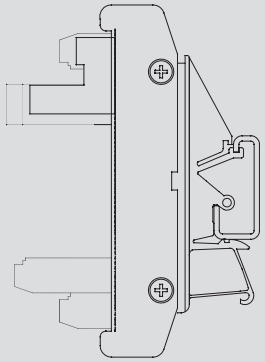
	DWG No.
Optional Cables	a clamshell 32-pole to clamshell 32-pole **MS - C32x - C32x - Lxx - xxx**
Note	

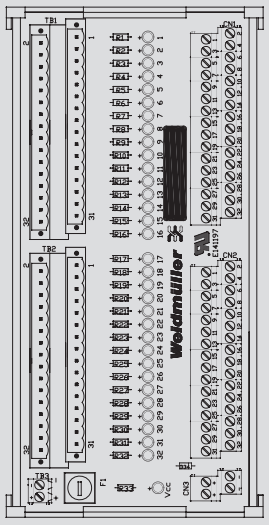
Passive Interface Unit

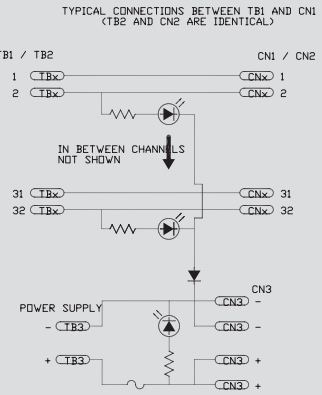
- CLAMSHELL style connection on module
- Reduce Cabinet Space
- Channel indication LED
- Field wiring termination from RIGHT side
- 32 channels
- Feed through connections
- For digital input signals (non-line monitored)
- 64 points (2 x 32)
- Honeywell C300 IOTAs
  - CC-TDIL01/TDIL11 (NON-LINE MONITORED ONLY)

64 pole, digital input interface module with indication LED (Field wiring right)

No Picture Available







Technical data

Connection data	
Process side	Screw connection
Type	LM2N terminal
Torque	4.4. in-lbs (0.5Nm)
Control side	Plug connection
Type	2 X CLAMSHELL SLD 32-Pole
Rated data	
Rated voltage	24 Vdc
Max. current per channel	1A
Operating temperature	0°C to +50°C
Storage temperature	0°C to +50°C
General Features	
LED status indicator per channel	Yes
Disconnection per channel	No
Voltage measuring test points	No
Current measuring test points	No
Fuse via channel	No
Supply voltage LED status	Yes
Power supply fuse	Yes
Terminal wire size	AWG 26 ...12
Insulation stripping length	6mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	9.0 x 4.5 x 3.6 / 229 x 115 x 91.5
Note	For use with non-line monitored inputs only

Ordering data

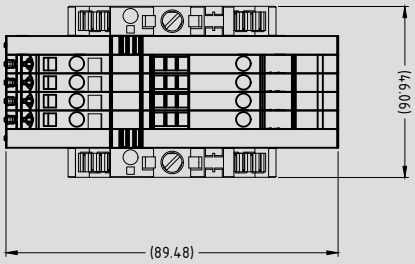
	Model	Qty	Part No.
Screw connection	32-channel digital input interface module (Field wiring right)	1	**6720000824**
Note	For use with non-line monitored inputs only		

Accessories

	DWG No.
Optional Cables	a clamshell 32-pole to clamshell 32-pole **MS - C32x - C32x - Lxx - xxx**
Note	

Passive Feed Through Assembly

- WMF 2.5 BLZ Terminal Assembly
- Dekafix markers included
- Secured with rubber band
- 4-point version
- With pluggable BLZ interface



Technical data

Connection data	
Process side	Screw connection
Type	WMF 2.5 BLZ Terminals
Torque	4.4 in – lbs (0.5 Nm)
Control side	Screw connection / Pluggable BLZ
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	-50°C to +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	–
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
BLZ Insulation stripping length	7mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.5 x 1.85 x 1.8 / 90 x 47 x 45
Note	

Ordering data

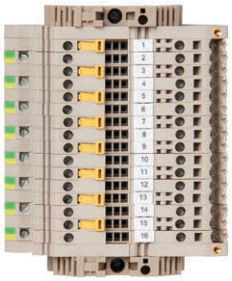
	Model	Qty	Part No.
	4 point assembly WMF 4-CH BLZ 4; Screw connection	1	**6760005174**
Note			

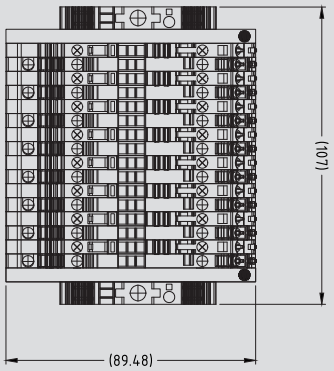
Accessories

Optional Cable	
Note	

Passive Feed Through Assembly

- WMF 2.5 BLZ Terminal Assembly
- WS 8/5 MC markers included
- Secured with rubber band
- 8-channel version
- With integrated ground connection
- With pluggable BLZ interface
- Disconnect for each channel
- With PE Rail connection





Technical data

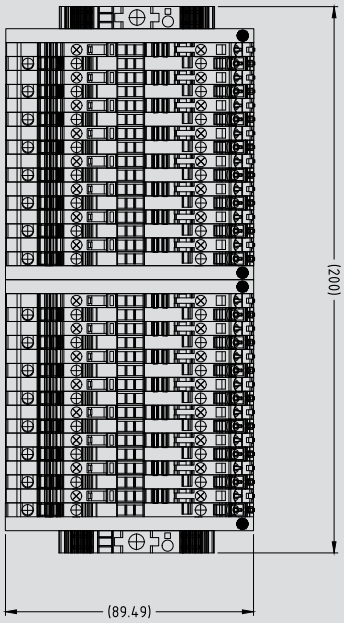
Connection data	
Process side	Screw connection
Type	WMF 2.5 BLZ and WMF 2.5 DI BLZ Terminals
Torque	4.4 in - lbs (0.5 Nm)
Control side	Screw connectiion / Pluggable BLZ
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	- 50°C - +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
BLZ Insulation stripping length	7mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	
8 channel/ 16 terminals	3.5 x 4.2 x 1.8 / 90 x 107 x 45
Note	Disconnect location shown on drawing

Ordering data

	Model	Qty	Part No.
	8-Channel assembly WMF 8-CH BLZ 16; Screw/Plug Connection	1	**6760005175**
Note	With PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 BLZ Terminal Assembly
- WS 8/5 MC markers included
- Secured with rubber band
- 16-channel version
- With integrated ground connection
- With pluggable BLZ interface
- Disconnect for each channel
- With PE Rail connection



Technical data

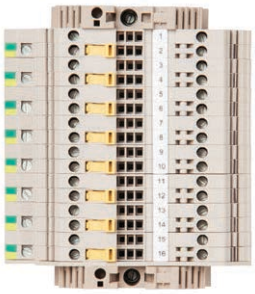
Connection data	
Process side	Screw connection
Type	WMF 2.5 BLZ and WMF 2.5 DI BLZ Terminals
Torque	4.4 in - lbs (0.5 Nm)
Control side	Screw connectiion / Pluggable BLZ
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	- 50°C - +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
BLZ Insulation stripping length	7mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	
16 channel/ 32 terminals	3.5 x 7.8 x 1.8 / 90 x 200 x 45
Note	Disconnect location shown on drawing

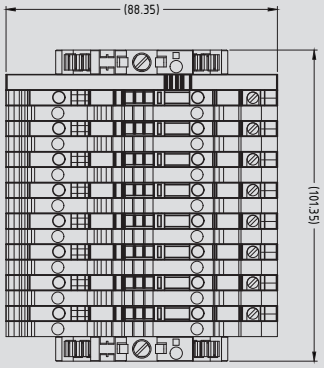
Ordering data

	Model	Qty	Part No.
	16-Channel assembly WMF 16-CH BLZ 32; Screw/Plug Connection	1	**6760005176**
Note	With PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 Terminal Assembly with disconnects
- Dekafix markers included
- Secured with rubber band
- 8-channel version
- Screw connection to Screw connection
- Disconnect for each channel
- With PE Rail connection





Technical data

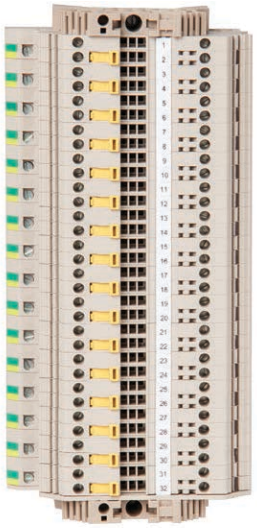
Connection data	
Process side	Screw connection
Type	WMF 2.5 and WMF 2.5 DI PE Terminals
Torque	4.4 in - lbs (0.5Nm)
Control side	Screw connection
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	-50°C to +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.5 x 4.1 x 1.8 / 89 x 102 x 45
Note	Disconnect location shown on drawing

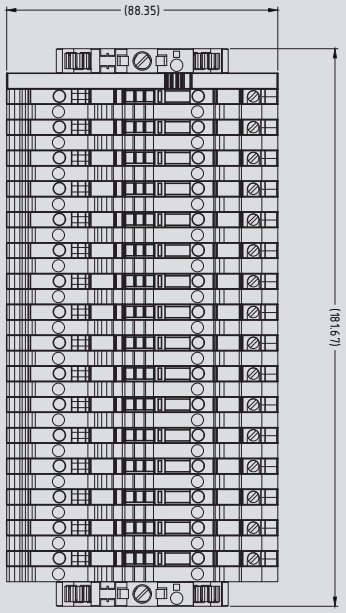
Ordering data

	Model	Qty	Part No.
	8-Channel assembly WMF Standard; Screw connection	1	**6760005177**
Note	With PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 Terminal Assembly with disconnects
- Dekafix markers included
- Secured with rubber band
- 16-channel version
- Screw connection to Screw connection
- Disconnect for each channel
- With PE Rail connection





Technical data

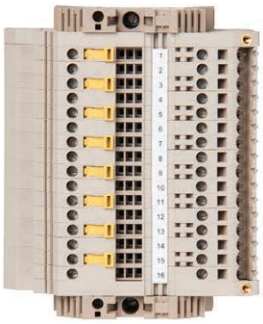
Connection data	
Process side	Screw connection
Type	WMF 2.5 and WMF 2.5 DI PE Terminals
Torque	4.4 in - lbs (0.5 Nm)
Control side	Screw connectiion
Rated data	
Rated voltage	300V
Max. current per channel	15A
Operating temperature	- 50°C - +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.5 x 7.2 x 1.8 / 89 x 182 x 45
Note	Disconnect location shown on drawing

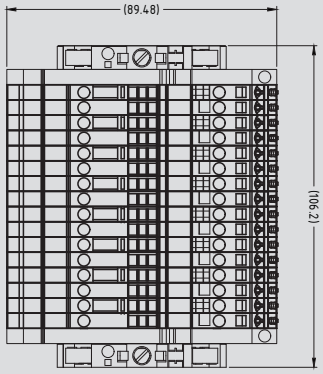
Ordering data

	Model	Qty	Part No.
	16-Channel assembly WMF Standard; Screw connection	1	**6760005178**
Note	With PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 BLZ Terminal Assembly with disconnects
- Dekafix markers included
- Secured with rubber band
- 8-channel version
- With pluggable BLZ interface
- Disconnect for each channel





Technical data

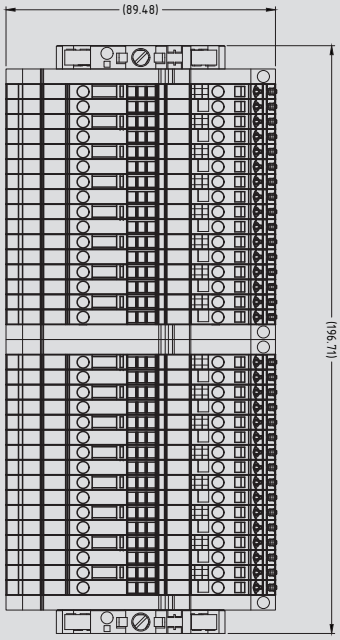
Connection data	
Process side	Screw connection
Type	WMF 2.5 BLZ and WMF 2.5 DI BLZ
Torque	4.4 in - lbs (0.5Nm)
Control side	Screw connection/Pluggable BLZ
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	-50°C to +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
BLZ Insulation stripping length	7mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.6 x 4.3 x 1.8 / 90 x 107 x 45
Note	Disconnect location shown on drawing

Ordering data

	Model	Qty	Part No.
	8-Channel assembly WMF BLZ; Screw/Plug connection	1	**6760005179**
Note	Without PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 BLZ Terminal Assembly with disconnects
- Dekafix markers included
- Secured with rubber band
- 16-channel version
- With pluggable BLZ interface
- Disconnect for each channel



Technical data

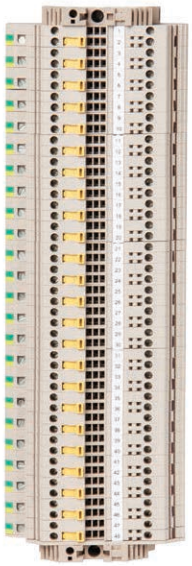
Connection data	
Process side	Screw connection
Type	WMF 2.5 BLZ and WMF 2.5 DI BLZ
Torque	4.4 in - lbs (0.5 Nm)
Control side	Screw connection / Pluggable BLZ
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	- 50°C - +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
BLZ Insulation stripping length	7mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.6 x 7.8 x 1.8 / 90 x 197 x 45
Note	Disconnect location shown on drawing

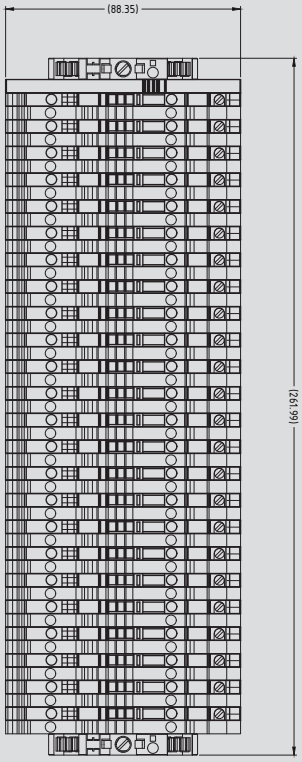
Ordering data

	Model	Qty	Part No.
	16-Channel assembly WMF BLZ ; Screw/Plug connection	1	**6760005180**
Note	Without PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 Terminal Assembly with disconnects
- Dekafix markers included
- Secured with rubber band
- 16-channel differential/24-channel /48-pole version
- Screw connection to Screw connection
- Disconnect for each channel
- With PE Rail connection





Technical data

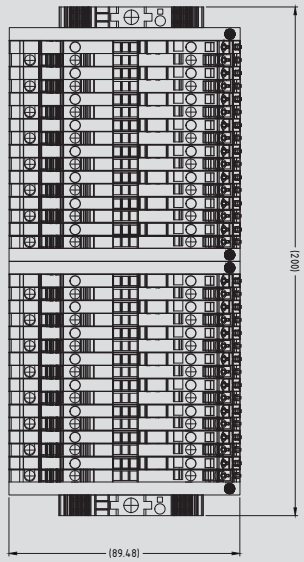
Connection data	
Process side	Screw connection
Type	WMF 2.5 and WMF 2.5 DI PE
Torque	4.4 in - lbs (0.5Nm)
Control side	Screw connection
Rated data	
Rated voltage	300V
Max. current per channel	15A
Operating temperature	-50°C to +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	Yes
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.5 x 10.4 x 1.8 / 89 x 262 x 45
Note	Disconnect location shown on drawing

Ordering data

	Model	Qty	Part No.
	24-Channel assembly WMF 2.5; Screw connection	1	**6760005181**
Note	With PE Rail connection		

Passive Feed Through Assembly

- WMF 2.5 BLZ Terminal Assembly
- Dekafix markers included
- Secured with rubber band
- 16-channel version
- With pluggable BLZ interface
- With PE Rail connection



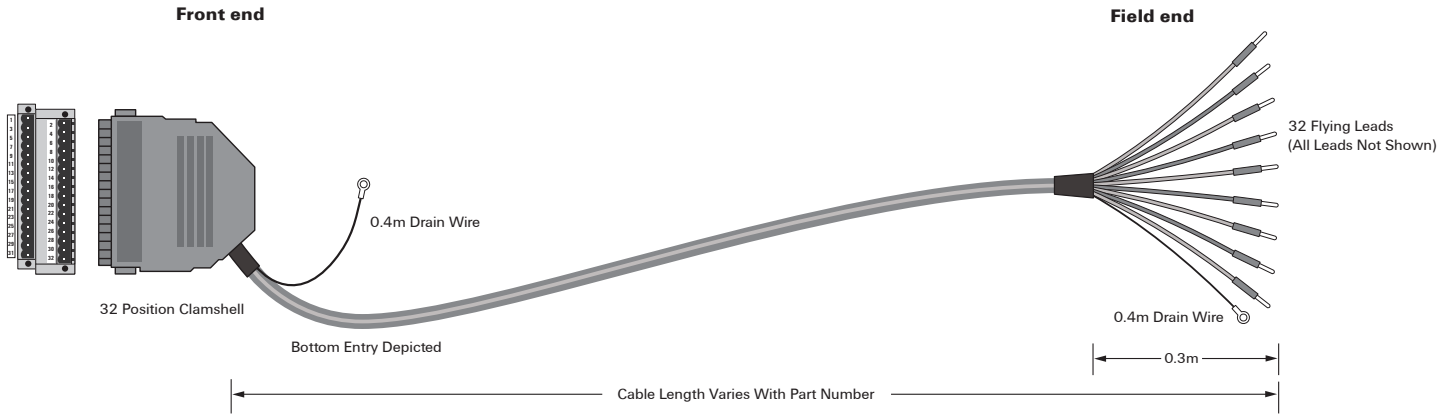
Technical data

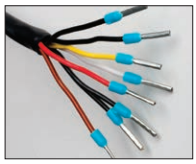
Connection data	
Process side	Screw connection
Type	WMF 2.5 BLZ and WMF 2.5 BLZ PE Terminals
Torque	4.4 in - lbs (0.5Nm)
Control side	Screw connection/Pluggable BLZ
Rated data	
Rated voltage	300V
Max. current per channel	10A
Operating temperature	-50°C to +120°C (Thermoplastic)
Storage temperature	
General Features	
LED status indicator per channel	–
Disconnection per channel	–
Voltage measuring test points	–
Current measuring test points	–
Fuse via channel	–
Supply voltage LED status	–
Power supply fuse	–
Terminal wire size	AWG 26 ... 12
Terminal Insulation stripping length	10mm
BLZ Insulation stripping length	7mm
Approvals	
Standards	cURus (E141197)
Dimensions	
Length x width x height (inches / mm)	3.6 x 7.9 x 1.8 / 90 x 199 x 45
Note	Disconnect location shown on drawing

Ordering data

	Model	Qty	Part No.
	16-Channel assembly WMF BLZ Standard; Screw/Plug connection	1	**6760006077**
Note	With PE Rail connection		

MS - CLAMSHELL Cable Assembly





32 Position CLAMSHELL Connector

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

32 Flying Leads from CLAMSHELL Connector

Lead #	Insulation Color	Lead #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

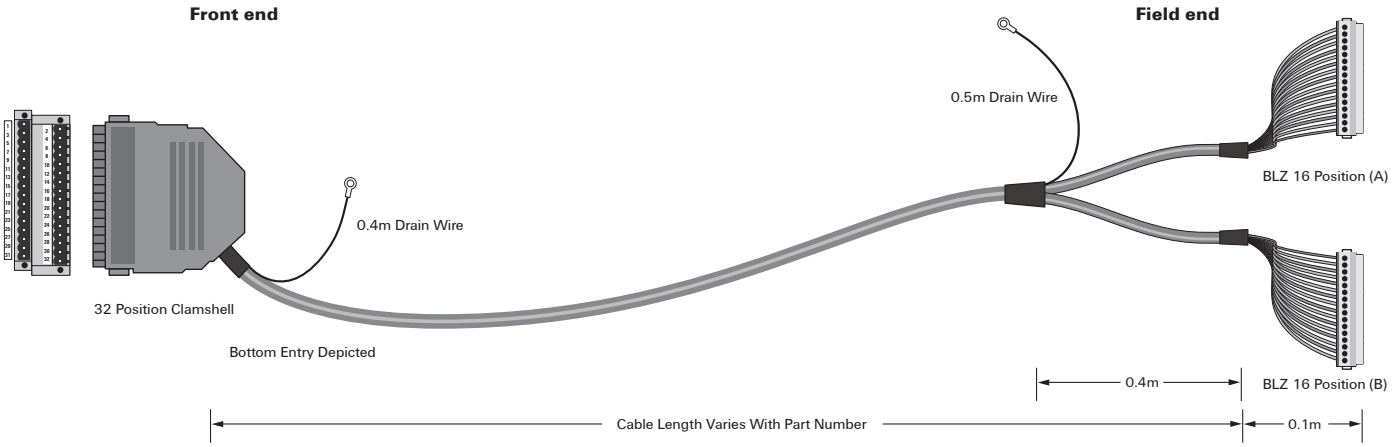
See Specification Table A on page 38.

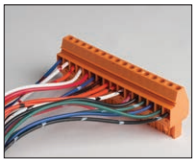
Additional cable lengths available. Contact your Weidmuller Sales Representative.

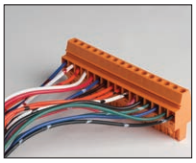
Additional Information

Use cable drawing MS-C32x-xFLXxxx-xxx-xxx.
For the field end of this cable, the following leads are available: ferruled flying, blunt flying, ring lug and tinned flying.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly







32 Position CLAMSHELL Connector

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

16 Position Connector BLZ (A)

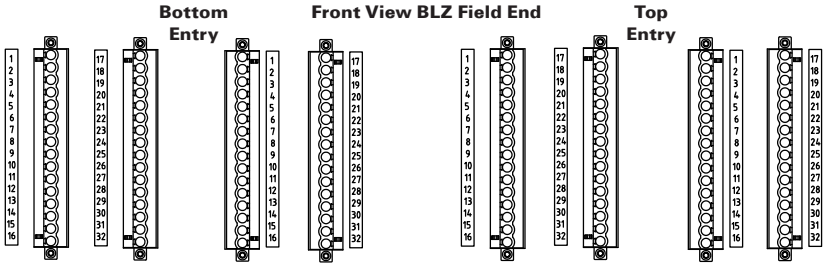
PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET

16 Position Connector BLZ (B)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLUE	2	BLUE / WHITE
3	BLUE / RED	4	BLUE / BLACK
5	BLUE / WHITE / BLACK	6	VIOLET
7	VIOLET / WHITE	8	VIOLET / BLACK
9	VIOLET / ORANGE / BLACK	10	VIOLET / BLACK / WHITE
11	ORANGE	12	ORANGE / RED
13	ORANGE / BLACK	14	ORANGE / VIOLET
15	ORANGE / WHITE / BLACK	16	ORANGE / BLACK / VIOLET

See Specification Table A on page 38.

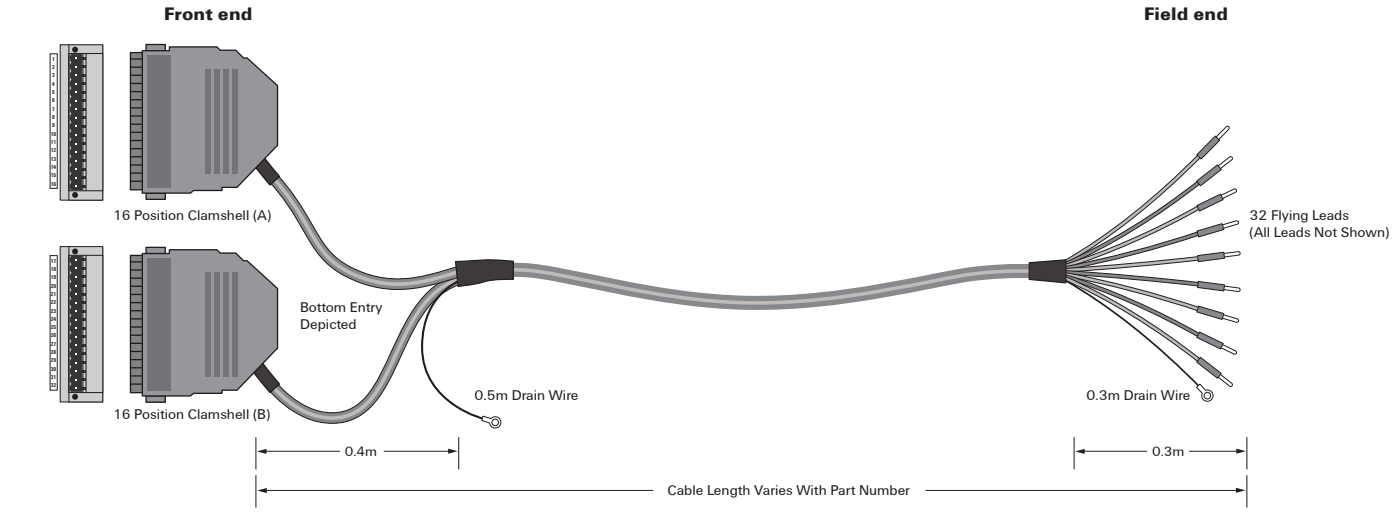
Additional cable lengths available.
Contact your Weidmuller Sales Representative.

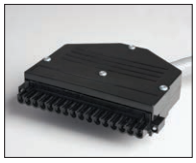


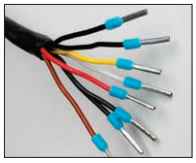
Additional Information

Use cable drawing MS-C32x-B26Xxx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly







16 Position CLAMSHELL (A)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET

32 Flying Leads from CLAMSHELL (A)

Lead #	Insulation Color	Lead #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE/ BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET

16 Position CLAMSHELL (B)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLUE	2	BLUE / WHITE
3	BLUE / RED	4	BLUE / BLACK
5	BLUE / WHITE / BLACK	6	VIOLET
7	VIOLET / WHITE	8	VIOLET / BLACK
9	VIOLET / ORANGE / BLACK	10	VIOLET / BLACK / WHITE
11	ORANGE	12	ORANGE / RED
13	ORANGE / BLACK	14	ORANGE / VIOLET
15	ORANGE / WHITE / BLACK	16	ORANGE / BLACK / VIOLET

32 Flying Leads from CLAMSHELL (B)

Lead #	Insulation Color	Lead #	Insulation Color
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

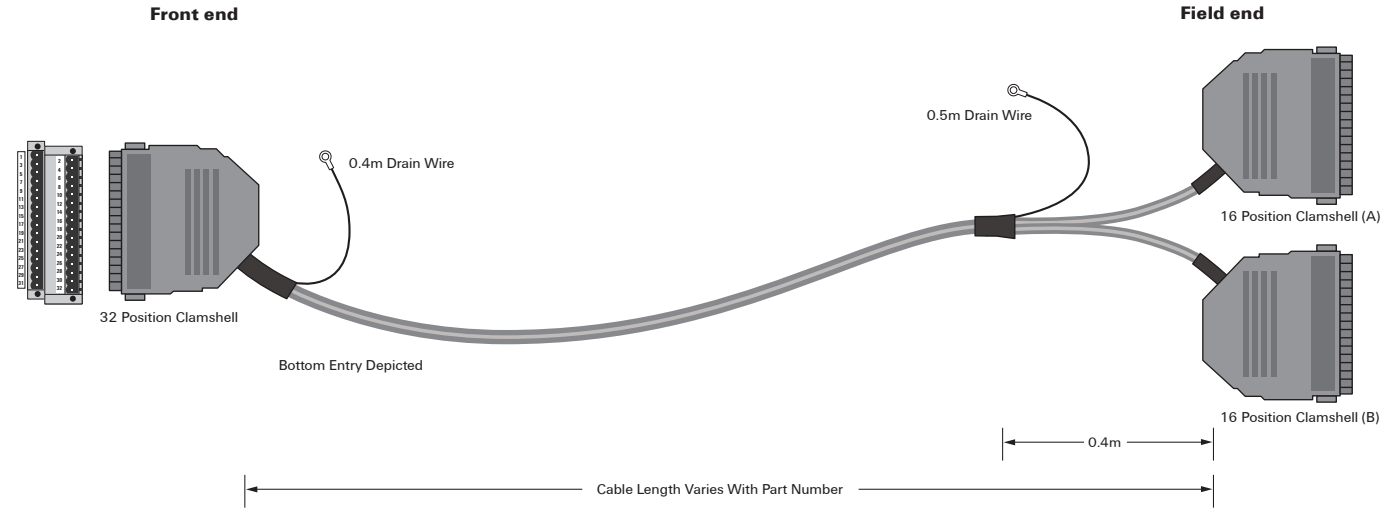
See Specification Table A on page 38.

Additional cable lengths available. Contact your Weidmuller Sales Representative.

Additional Information

Use cable drawing MS-C26xxx-xFLXxx-xxx-xxx.
For the field end of this cable, the following leads are available: ferruled flying, blunt flying, ring lug and tinned flying.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly



32 Position CLAMSHELL Connector

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

16 Position Connector CLAMSHELL (A)

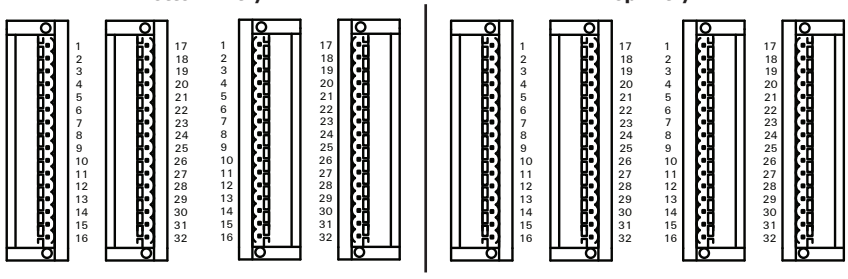
PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET

16 Position Connector CLAMSHELL (B)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLUE	2	BLUE / WHITE
3	BLUE / RED	4	BLUE / BLACK
5	BLUE / WHITE / BLACK	6	VIOLET
7	VIOLET / WHITE	8	VIOLET / BLACK
9	VIOLET / ORANGE / BLACK	10	VIOLET / BLACK / WHITE
11	ORANGE	12	ORANGE / RED
13	ORANGE / BLACK	14	ORANGE / VIOLET
15	ORANGE / WHITE / BLACK	16	ORANGE / BLACK / VIOLET

Front View Clamshell Field End

Bottom Entry **Top Entry**



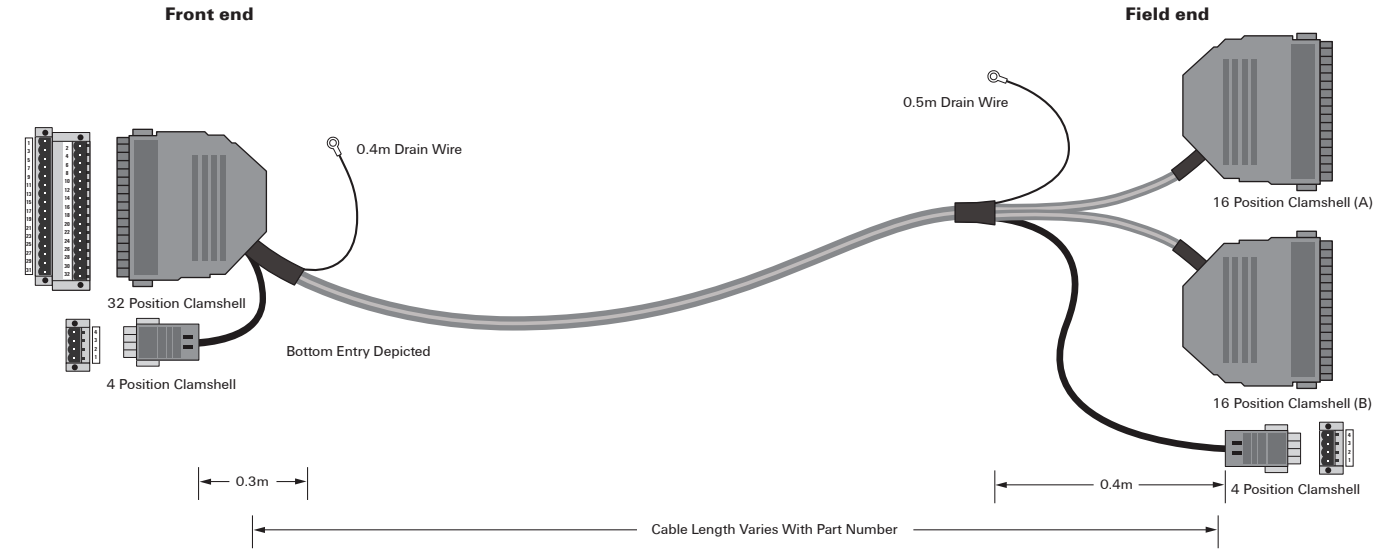
See Specification Table A on page 38.

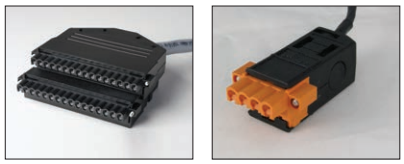
Additional cable lengths available.
Contact your Weidmuller Sales Representative.

Additional Information

Use cable drawing MS-C32x-C26Xxx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly





32 Position CLAMSHELL

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	17	BLUE
2	BLACK/WHITE	18	BLUE / WHITE
3	BLACK / RED	19	BLUE / RED
4	BLACK / RED/ WHITE	20	BLUE / BLACK
5	BLACK / RED / VIOLET	21	BLUE / WHITE / BLACK
6	WHITE	22	VIOLET
7	WHITE / RED	23	VIOLET / WHITE
8	WHITE / BLACK	24	VIOLET / BLACK
9	WHITE / RED / BLACK	25	VIOLET/ORANGE / BLK
10	WHITE / RED / VIOLET	26	VIOLET / BLK / WHITE
11	RED	27	ORANGE
12	RED/WHITE	28	ORANGE / RED
13	RED / BLACK	29	ORANGE / BLACK
14	RED / VIOLET	30	ORANGE / VIOLET
15	RED / WHITE / BLACK	31	ORANGE/WHITE/BLK
16	RED / BLACK / VIOLET	32	ORANGE/BLK/VIOLET

4 Position CLAMSHELL Connector

PIN #	Insulation Color
1	BROWN
2	BROWN / WHITE
3	YELLOW
4	YELLOW / BLACK

See Specification Table A on page 38.

Additional cable lengths available.
Contact your Weidmuller Sales Representative.

16 Position CLAMSHELL (A)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	9	WHITE / RED / BLACK
2	BLACK/WHITE	10	WHITE / RED / VIOLET
3	BLACK / RED	11	RED
4	BLACK / RED/ WHITE	12	RED/WHITE
5	BLACK / RED / VIOLET	13	RED / BLACK
6	WHITE	14	RED / VIOLET
7	WHITE / RED	15	RED / WHITE / BLACK
8	WHITE / BLACK	16	RED / BLACK / VIOLET

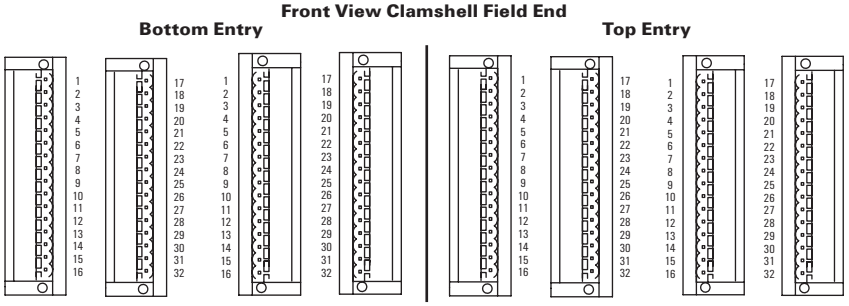
16 Position CLAMSHELL (B)

PIN #	Insulation Color	PIN #	Insulation Color
17	BLUE	25	BLUE / WHITE / BLACK
18	BLUE / WHITE	26	VIOLET
19	BLUE / RED	27	VIOLET / WHITE
20	BLUE / BLACK	28	VIOLET / BLACK
21	VIOLET/ORANGE / BLK	29	ORANGE / BLACK
22	VIOLET / BLK / WHITE	30	ORANGE / VIOLET
23	ORANGE	31	ORANGE / WHITE/ BLK
24	ORANGE / RED	32	ORANGE/BLK/VIOLET

4 Position Connector CLAMSHELL

PIN #	Insulation Color
1	BROWN
2	BROWN / WHITE
3	YELLOW
4	YELLOW / BLACK

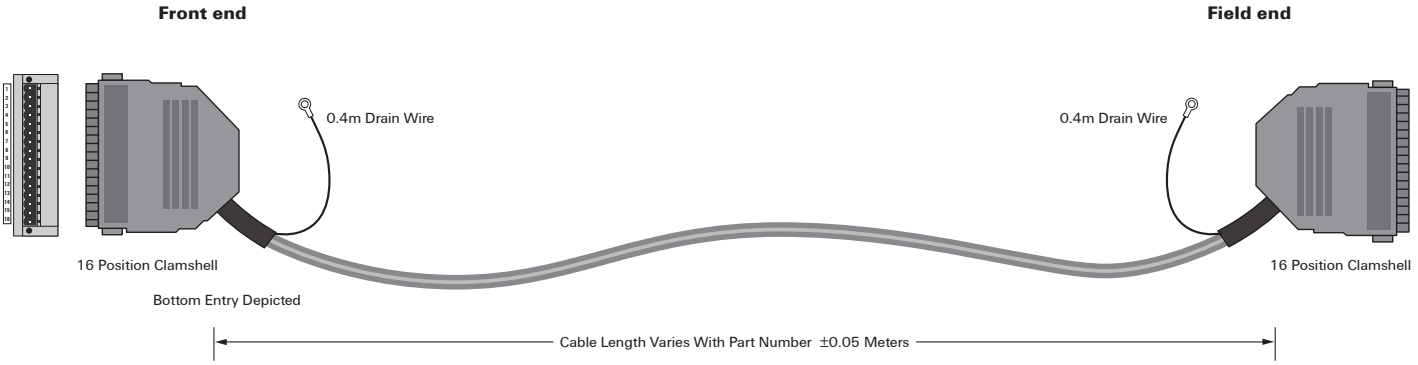
Front View Clamshell Field End



Additional Information

Use cable drawing MS-C2+xxx-C6+xxx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly



16 Position CLAMSHELL (connected left to right)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET

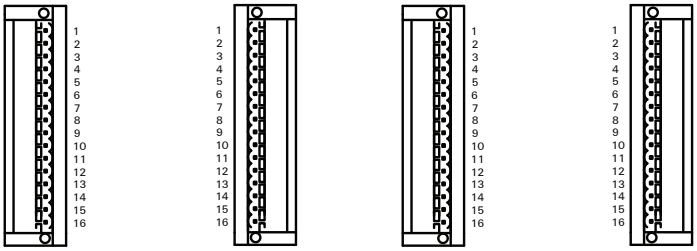
16 Position CLAMSHELL (connected left to right)

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET

See Specification Table B on page 38.

Additional cable lengths available.
Contact your Weidmuller Sales Representative.

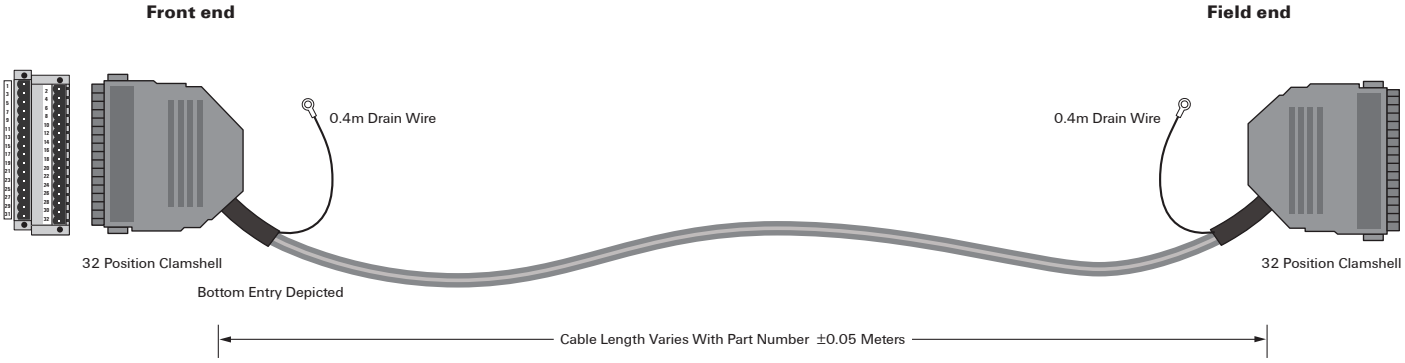
Front View Clamshell Field End



Additional Information

Use cable drawing MS-C16x-C16Xxx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly



32 Position CLAMSHELL Connector

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

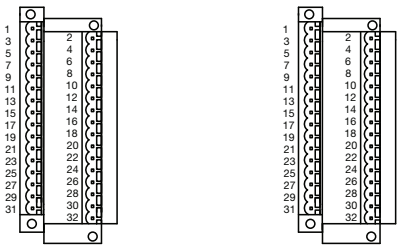
32 Position CLAMSHELL Connector

Lead #	Insulation Color	Lead #	Insulation Color
1	BLACK	2	BLACK / WHITE
3	BLACK / RED	4	BLACK / RED / WHITE
5	BLACK / RED / VIOLET	6	WHITE
7	WHITE / RED	8	WHITE / BLACK
9	WHITE / RED / BLACK	10	WHITE / RED / VIOLET
11	RED	12	RED / WHITE
13	RED / BLACK	14	RED / VIOLET
15	RED / WHITE / BLACK	16	RED / BLACK / VIOLET
17	BLUE	18	BLUE / WHITE
19	BLUE / RED	20	BLUE / BLACK
21	BLUE / WHITE / BLACK	22	VIOLET
23	VIOLET / WHITE	24	VIOLET / BLACK
25	VIOLET / ORANGE / BLACK	26	VIOLET / BLACK / WHITE
27	ORANGE	28	ORANGE / RED
29	ORANGE / BLACK	30	ORANGE / VIOLET
31	ORANGE / WHITE / BLACK	32	ORANGE / BLACK / VIOLET

See Specification Table A on page 38.

Additional cable lengths available.
Contact your Weidmuller Sales Representative.

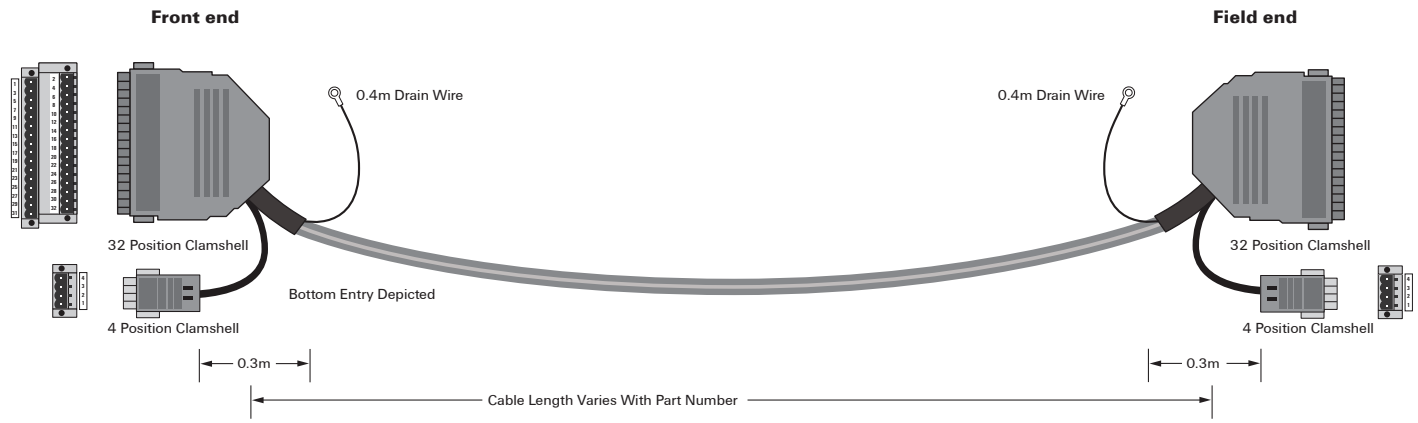
Front View Clamshell Field End

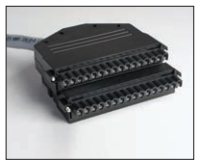


Additional Information

Use cable drawing MS-C32x-C32x-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly





32 Position CLAMSHELL Connector

PIN #	Insulation Color	PIN #	Insulation Color
1	BLACK	17	BLUE
2	BLACK/WHITE	18	BLUE / WHITE
3	BLACK / RED	19	BLUE / RED
4	BLACK / RED/ WHITE	20	BLUE / BLACK
5	BLACK / RED / VIOLET	21	BLUE / WHITE / BLACK
6	WHITE	22	VIOLET
7	WHITE / RED	23	VIOLET / WHITE
8	WHITE / BLACK	24	VIOLET / BLACK
9	WHITE / RED / BLACK	25	VIOLET/ORANGE / BLACK
10	WHITE / RED / VIOLET	26	VIOLET / BLACK / WHITE
11	RED	27	ORANGE
12	RED/WHITE	28	ORANGE / RED
13	RED / BLACK	29	ORANGE / BLACK
14	RED / VIOLET	30	ORANGE / VIOLET
15	RED / WHITE / BLACK	31	ORANGE/WHITE/BLACK
16	RED / BLACK / VIOLET	32	ORANGE/BLK/VIOLET

4 Position CLAMSHELL Connector

PIN #	Insulation Color
1	BROWN
2	BROWN / WHITE
3	YELLOW
4	YELLOW / BLACK

32 Position CLAMSHELL Connector

Lead #	Insulation Color	Lead #	Insulation Color
1	BLACK	17	BLUE
2	BLACK/WHITE	18	BLUE / WHITE
3	BLACK / RED	19	BLUE / RED
4	BLACK / RED/ WHITE	20	BLUE / BLACK
5	BLACK / RED / VIOLET	21	BLUE / WHITE / BLACK
6	WHITE	22	VIOLET
7	WHITE / RED	23	VIOLET / WHITE
8	WHITE / BLACK	24	VIOLET / BLACK
9	WHITE / RED / BLACK	25	VIOLET/ORANGE / BLACK
10	WHITE / RED / VIOLET	26	VIOLET / BLACK / WHITE
11	RED	27	ORANGE
12	RED/WHITE	28	ORANGE / RED
13	RED / BLACK	29	ORANGE / BLACK
14	RED / VIOLET	30	ORANGE / VIOLET
15	RED / WHITE / BLACK	31	ORANGE/WHITE/BLACK
16	RED / BLACK / VIOLET	32	ORANGE/BLK/VIOLET

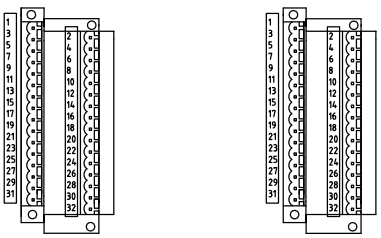
4 Position CLAMSHELL Connector

PIN #	Insulation Color
1	BROWN
2	BROWN / WHITE
3	YELLOW
4	YELLOW / BLACK

See Specification Table A on page 38.

Additional cable lengths available.
Contact your Weidmuller Sales Representative.

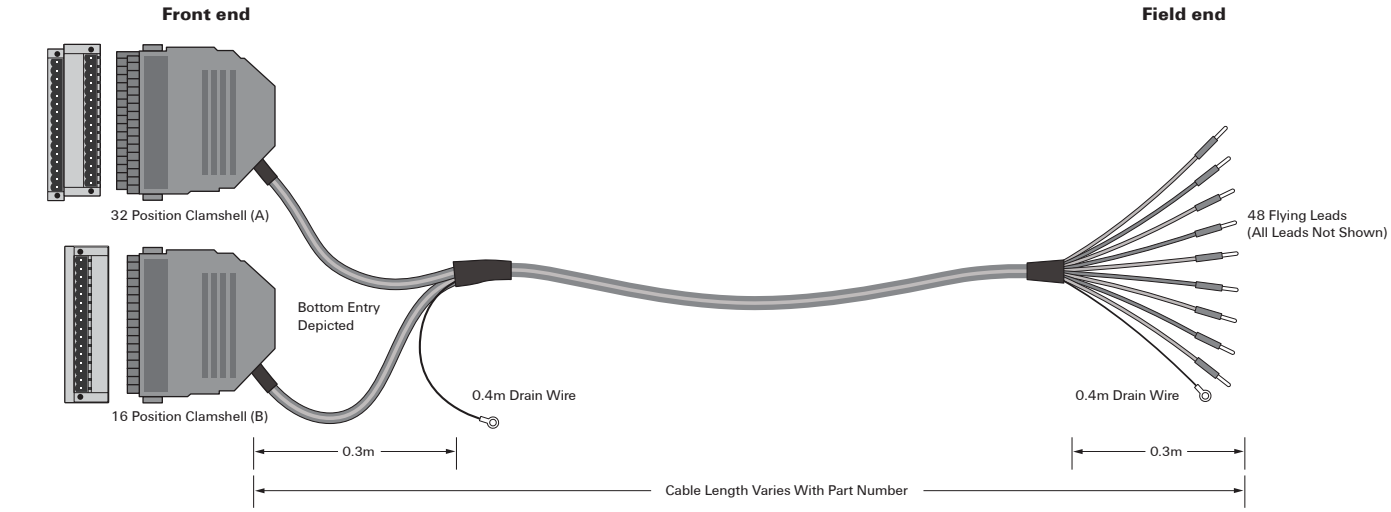
Front View Clamshell Field End

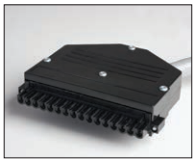


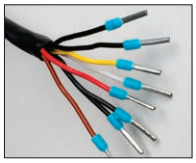
Additional Information

Use cable drawing MS-C2+xxx-C2+xxx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly







Data Guide TRIAD		32 Position CLAMSHELL (A)	16 Position CLAMSHELL (B)
PAIR	Insulation Color	PIN #	PIN #
1	BLACK	1	-
1	BLACK / WHITE	2	-
1	BLACK / YELLOW	-	16
2	BLACK / RED	3	-
2	BLACK / RED / WHITE	4	-
2	BLACK / RED / YELLOW	-	15
3	BLACK / BLUE	5	-
3	BLACK / BLUE / WHITE	6	-
3	BLACK / BLUE / YELLOW	-	14
4	BLACK / VIOLET	7	-
4	BLACK / VIOLET / WHITE	8	-
4	BLACK / VIOLET / YELLOW	-	13
5	BLACK / ORANGE	9	-
5	BLACK / ORANGE / WHITE	10	-
5	BLACK / ORANGE / YELLOW	-	12
6	RED	11	-
6	RED / WHITE	12	-
6	RED / YELLOW	-	11
7	RED / BLUE	13	-
7	RED / BLUE / WHITE	14	-
7	RED / BLUE / YELLOW	-	10
8	RED / VIOLET	15	-
8	RED / VIOLET /WHITE	16	-
8	RED / VIOLET / YELLOW	-	9
9	RED / ORANGE	17	-
9	RED / ORANGE / WHITE	18	-
9	RED / ORANGE / YELLOW	-	8
10	RED / BROWN	19	-
10	RED / BROWN / WHITE	20	-
10	RED / BROWN / YELLOW	-	7
11	BLUE	21	-
11	BLUE / WHITE	22	-
11	BLUE / YELLOW	-	6
12	BLUE / VIOLET	23	-
12	BLUE / VIOLET / WHITE	24	-
12	BLUE / VIOLET / YELLOW	-	5
13	BLUE / ORANGE	25	-
13	BLUE / ORANGE / WHITE	26	-
13	BLUE / ORANGE / YELLOW	-	4
14	BLUE / BROWN	27	-
14	BLUE / BROWN / WHITE	28	-
14	BLUE / BROWN / YELLOW	-	3
15	VIOLET	29	-
15	VIOLET / WHITE	30	-
15	VIOLET / YELLOW	-	2
16	VIOLET / ORANGE	31	-
16	VIOLET / ORANGE / WHITE	32	-
16	VIOLET / ORANGE / YELLOW	-	1

Data Guide TRIAD		
PAIR	Insulation Color	PIN #
1	BLACK	1
1	BLACK / WHITE	2
1	BLACK / YELLOW	16
2	BLACK / RED	3
2	BLACK / RED / WHITE	4
2	BLACK / RED / YELLOW	15
3	BLACK / BLUE	5
3	BLACK / BLUE / WHITE	6
3	BLACK / BLUE / YELLOW	14
4	BLACK / VIOLET	7
4	BLACK / VIOLET / WHITE	8
4	BLACK / VIOLET / YELLOW	13
5	BLACK / ORANGE	9
5	BLACK / ORANGE / WHITE	10
5	BLACK / ORANGE / YELLOW	12
6	RED	11
6	RED / WHITE	12
6	RED / YELLOW	11
7	RED / BLUE	13
7	RED / BLUE / WHITE	14
7	RED / BLUE / YELLOW	10
8	RED / VIOLET	15
8	RED / VIOLET /WHITE	16
8	RED / VIOLET / YELLOW	9
9	RED / ORANGE	17
9	RED / ORANGE / WHITE	18
9	RED / ORANGE / YELLOW	8
10	RED / BROWN	19
10	RED / BROWN / WHITE	20
10	RED / BROWN / YELLOW	7
11	BLUE	21
11	BLUE / WHITE	22
11	BLUE / YELLOW	6
12	BLUE / VIOLET	23
12	BLUE / VIOLET / WHITE	24
12	BLUE / VIOLET / YELLOW	5
13	BLUE / ORANGE	25
13	BLUE / ORANGE / WHITE	26
13	BLUE / ORANGE / YELLOW	4
14	BLUE / BROWN	27
14	BLUE / BROWN / WHITE	28
14	BLUE / BROWN / YELLOW	3
15	VIOLET	29
15	VIOLET / WHITE	30
15	VIOLET / YELLOW	2
16	VIOLET / ORANGE	31
16	VIOLET / ORANGE / WHITE	32
16	VIOLET / ORANGE / YELLOW	1

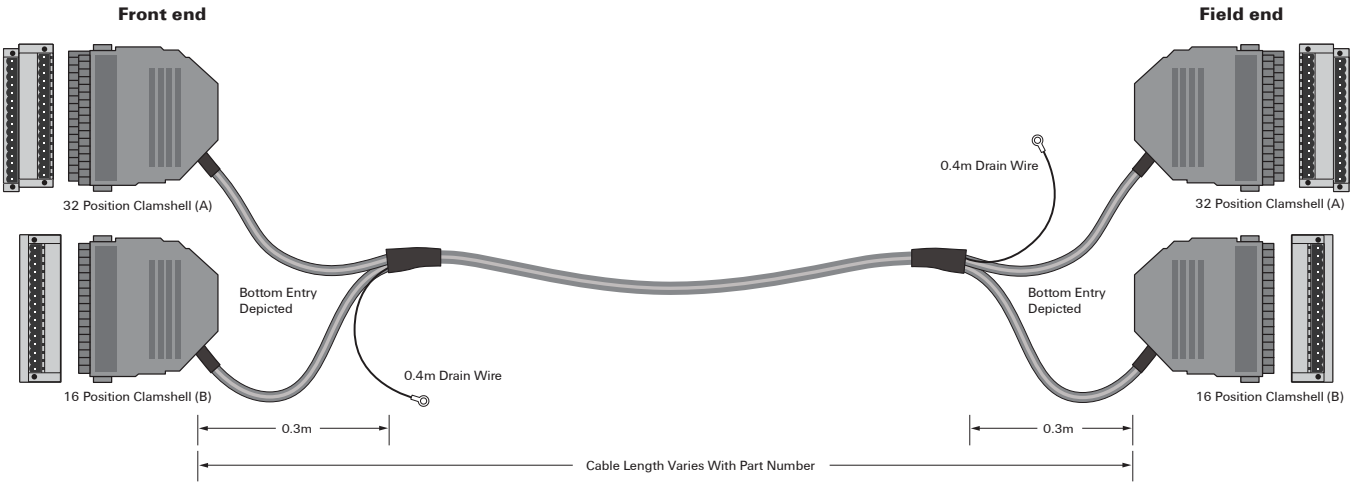
See Specification Table A on page 38.

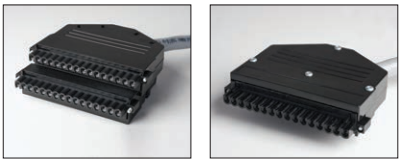
Additional cable lengths available. Contact your Weidmuller Sales Representative.

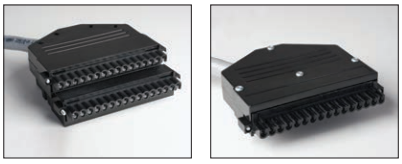
Additional Information

Use cable drawing MS-C48xxx-xFLXxx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly







Data Guide TRIAD		32 Position CLAMSHELL (A)	16 Position CLAMSHELL (B)
PAIR	Insulation Color	PIN #	PIN #
1	BLACK	1	-
1	BLACK / WHITE	2	-
1	BLACK / YELLOW	-	16
2	BLACK / RED	3	-
2	BLACK / RED / WHITE	4	-
2	BLACK / RED / YELLOW	-	15
3	BLACK / BLUE	5	-
3	BLACK / BLUE / WHITE	6	-
3	BLACK / BLUE / YELLOW	-	14
4	BLACK / VIOLET	7	-
4	BLACK / VIOLET / WHITE	8	-
4	BLACK / VIOLET / YELLOW	-	13
5	BLACK / ORANGE	9	-
5	BLACK / ORANGE / WHITE	10	-
5	BLACK / ORANGE / YELLOW	-	12
6	RED	11	-
6	RED / WHITE	12	-
6	RED / YELLOW	-	11
7	RED / BLUE	13	-
7	RED / BLUE / WHITE	14	-
7	RED / BLUE / YELLOW	-	10
8	RED / VIOLET	15	-
8	RED / VIOLET /WHITE	16	-
8	RED / VIOLET / YELLOW	-	9
9	RED / ORANGE	17	-
9	RED / ORANGE / WHITE	18	-
9	RED / ORANGE / YELLOW	-	8
10	RED / BROWN	19	-
10	RED / BROWN / WHITE	-	-
10	RED / BROWN / YELLOW	-	7
11	BLUE	21	-
11	BLUE / WHITE	22	-
11	BLUE / YELLOW	-	6
12	BLUE / VIOLET	23	-
12	BLUE / VIOLET / WHITE	24	-
12	BLUE / VIOLET / YELLOW	-	5
13	BLUE / ORANGE	25	-
13	BLUE / ORANGE / WHITE	26	-
13	BLUE / ORANGE / YELLOW	-	4
14	BLUE / BROWN	27	-
14	BLUE / BROWN / WHITE	28	-
14	BLUE / BROWN / YELLOW	-	3
15	VIOLET	29	-
15	VIOLET / WHITE	30	-
15	VIOLET / YELLOW	-	2
16	VIOLET / ORANGE	31	-
16	VIOLET / ORANGE / WHITE	32	-
16	VIOLET / ORANGE / YELLOW	-	1

See Specification Table A on page 38.

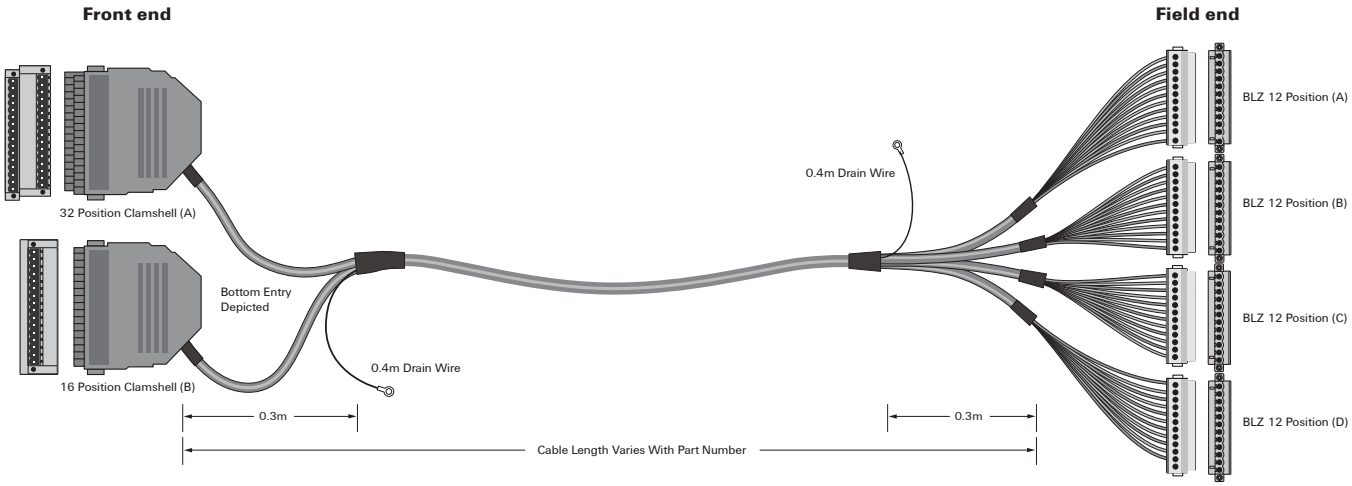
Additional cable lengths available. Contact your Weidmuller Sales Representative.

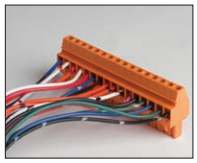
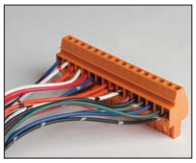
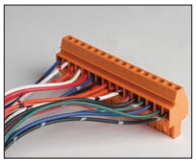
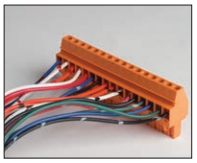
Data Guide TRIAD		32 Position CLAMSHELL (A)	16 Position CLAMSHELL (B)
PAIR	Insulation Color	PIN #	PIN #
1	BLACK	1	-
1	BLACK / WHITE	2	-
1	BLACK / YELLOW	-	16
2	BLACK / RED	3	-
2	BLACK / RED / WHITE	4	-
2	BLACK / RED / YELLOW	-	15
3	BLACK / BLUE	5	-
3	BLACK / BLUE / WHITE	6	-
3	BLACK / BLUE / YELLOW	-	14
4	BLACK / VIOLET	7	-
4	BLACK / VIOLET / WHITE	8	-
4	BLACK / VIOLET / YELLOW	-	13
5	BLACK / ORANGE	9	-
5	BLACK / ORANGE / WHITE	10	-
5	BLACK / ORANGE / YELLOW	-	12
6	RED	11	-
6	RED / WHITE	12	-
6	RED / YELLOW	-	11
7	RED / BLUE	13	-
7	RED / BLUE / WHITE	14	-
7	RED / BLUE / YELLOW	-	10
8	RED / VIOLET	15	-
8	RED / VIOLET /WHITE	16	-
8	RED / VIOLET / YELLOW	-	9
9	RED / ORANGE	17	-
9	RED / ORANGE / WHITE	18	-
9	RED / ORANGE / YELLOW	-	8
10	RED / BROWN	19	-
10	RED / BROWN / WHITE	-	-
10	RED / BROWN / YELLOW	-	7
11	BLUE	21	-
11	BLUE / WHITE	22	-
11	BLUE / YELLOW	-	6
12	BLUE / VIOLET	23	-
12	BLUE / VIOLET / WHITE	24	-
12	BLUE / VIOLET / YELLOW	-	5
13	BLUE / ORANGE	25	-
13	BLUE / ORANGE / WHITE	26	-
13	BLUE / ORANGE / YELLOW	-	4
14	BLUE / BROWN	27	-
14	BLUE / BROWN / WHITE	28	-
14	BLUE / BROWN / YELLOW	-	3
15	VIOLET	29	-
15	VIOLET / WHITE	30	-
15	VIOLET / YELLOW	-	2
16	VIOLET / ORANGE	31	-
16	VIOLET / ORANGE / WHITE	32	-
16	VIOLET / ORANGE / YELLOW	-	1

Additional Information

Use cable drawing MS-C48xxx-C48xx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

MS - CLAMSHELL Cable Assembly



Data Guide TRIAD		32 Position CLAMSHELL (A)	16 Position CLAMSHELL (B)
PAIR	Insulation Color	PIN #	PIN #
1	BLACK	1	-
1	BLACK / WHITE	2	-
1	BLACK / YELLOW	-	16
2	BLACK / RED	3	-
2	BLACK / RED / WHITE	4	-
2	BLACK / RED / YELLOW	-	15
3	BLACK / BLUE	5	-
3	BLACK / BLUE / WHITE	6	-
3	BLACK / BLUE / YELLOW	-	14
4	BLACK / VIOLET	7	-
4	BLACK / VIOLET / WHITE	8	-
4	BLACK / VIOLET / YELLOW	-	13
5	BLACK / ORANGE	9	-
5	BLACK / ORANGE / WHITE	10	-
5	BLACK / ORANGE / YELLOW	-	12
6	RED	11	-
6	RED / WHITE	12	-
6	RED / YELLOW	-	11
7	RED / BLUE	13	-
7	RED / BLUE / WHITE	14	-
7	RED / BLUE / YELLOW	-	10
8	RED / VIOLET	15	-
8	RED / VIOLET / WHITE	16	-
8	RED / VIOLET / YELLOW	-	9
9	RED / ORANGE	17	-
9	RED / ORANGE / WHITE	18	-
9	RED / ORANGE / YELLOW	-	8
10	RED / BROWN	19	-
10	RED / BROWN / WHITE	20	-
10	RED / BROWN / YELLOW	-	7
11	BLUE	21	-
11	BLUE / WHITE	22	-
11	BLUE / YELLOW	-	6
12	BLUE / VIOLET	23	-
12	BLUE / VIOLET / WHITE	24	-
12	BLUE / VIOLET / YELLOW	-	5
13	BLUE / ORANGE	25	-
13	BLUE / ORANGE / WHITE	26	-
13	BLUE / ORANGE / YELLOW	-	4
14	BLUE / BROWN	27	-
14	BLUE / BROWN / WHITE	28	-
14	BLUE / BROWN / YELLOW	-	3
15	VIOLET	29	-
15	VIOLET / WHITE	30	-
15	VIOLET / YELLOW	-	2
16	VIOLET / ORANGE	31	-
16	VIOLET / ORANGE / WHITE	32	-
16	VIOLET / ORANGE / YELLOW	-	1

See Specification Table A on page 38.

Additional cable lengths available. Contact your Weidmuller Sales Representative.

Data Guide TRIAD					
PAIR	Insulation Color	BLZ (A)	BLZ (B)	BLZ (C)	BLZ (D)
1	BLACK	1			
1	BLACK / WHITE	2			
1	BLACK / YELLOW	16			
2	BLACK / RED	3			
2	BLACK / RED / WHITE	4			
2	BLACK / RED / YELLOW	15			
3	BLACK / BLUE	5			
3	BLACK / BLUE / WHITE	6			
3	BLACK / BLUE / YELLOW	14			
4	BLACK / VIOLET	7			
4	BLACK / VIOLET / WHITE	8			
4	BLACK / VIOLET / YELLOW	13			
5	BLACK / ORANGE		9		
5	BLACK / ORANGE / WHITE		10		
5	BLACK / ORANGE / YELLOW		12		
6	RED		11		
6	RED / WHITE		12		
6	RED / YELLOW		11		
7	RED / BLUE		13		
7	RED / BLUE / WHITE		14		
7	RED / BLUE / YELLOW		10		
8	RED / VIOLET		15		
8	RED / VIOLET / WHITE		16		
8	RED / VIOLET / YELLOW		9		
9	RED / ORANGE			17	
9	RED / ORANGE / WHITE			18	
9	RED / ORANGE / YELLOW			8	
10	RED / BROWN			19	
10	RED / BROWN / WHITE			20	
10	RED / BROWN / YELLOW			7	
11	BLUE			21	
11	BLUE / WHITE			22	
11	BLUE / YELLOW			6	
12	BLUE / VIOLET			23	
12	BLUE / VIOLET / WHITE			24	
12	BLUE / VIOLET / YELLOW			5	
13	BLUE / ORANGE				25
13	BLUE / ORANGE / WHITE				26
13	BLUE / ORANGE / YELLOW				4
14	BLUE / BROWN				27
14	BLUE / BROWN / WHITE				28
14	BLUE / BROWN / YELLOW				3
15	VIOLET				29
15	VIOLET / WHITE				30
15	VIOLET / YELLOW				2
16	VIOLET / ORANGE				31
16	VIOLET / ORANGE / WHITE				32
16	VIOLET / ORANGE / YELLOW				1

Additional Information

Use cable drawing MS-C48xxx-B42xx-xxx-xxx.
To custom build an engineered marshalling cable (in three quick steps), use the Marshalling Cable Configurator at www.weidmuller.com/marshalling.

18 Pair

8 Pair

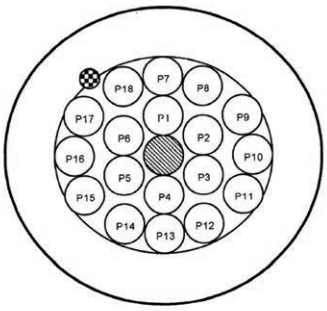
Specifications: Table A

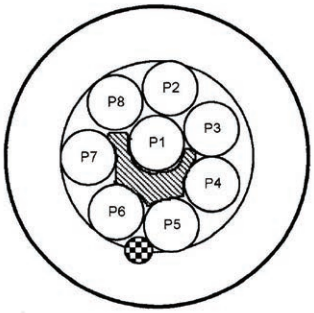
Description	18AWG, 18 Pair
Physical Characteristics	
Conductor	18AWG
Conductor Stranding	16/30
Insulating Material Type	SR-PVC 80C
Shielding Type	Foil, 18A 16/30 tinned copper drain
Jacket Material Type	PVC FT4
Finished Cable 0.D.	0.609 in / 15.47 mm
Bend Radius	7 in / 178 mm
Total Cable Weight	2S0 lbs/M
Temperature Range	-20°C to +80°C
Sunlight Resistance	Yes
Electrical Characteristics	
Nom. Cond DC Resistance, ohms/100ft	7.2
Voltage Ratings	300VAC
Mutual Capacitance, pf/ft	27
Ground Capacitance, pf/ft	49.2
Characteristic Impedance, Ohms	75
Inductance,Ohms/1000ft	1.2
Conductor DCR, Ohms/100ft	6.7
O/A Shield DCR, Ohms/l000ft	14.5
Approvals	
Cable CSA Approved	AWM 80C 300V
Cable UL Approved	AWM 2464 80C 300V
RoHs Compliant	Yes

Specifications: Table B

Description	18AWG, 8 Pair
Physical Characteristics	
Conductor	18AWG
Conductor Stranding	16/30
Insulating Material Type	SR-PVC 80C
Shielding Type	Foil, 18A 16/30 tinned copper drain
Jacket Material Type	PVC FT4
Finished Cable 0.D.	0.425 in / 10.80 mm
Bend Radius	7 in / 178 mm
Total Cable Weight	144 lbs/M
Temperature Range	-20°C to +80°C
Sunlight Resistance	Yes
Electrical Characteristics	
Nom. Cond DC Resistance, ohms/100ft	7.2
Voltage Ratings	300VAC
Mutual Capacitance, pf/ft	27
Ground Capacitance, pf/ft	49.2
Characteristic Impedance, Ohms	75
Inductance,Ohms/1000ft	1.2
Conductor DCR, Ohms/100ft	6.7
O/A Shield DCR, Ohms/l000ft	14.5
Approvals	
Cable CSA Approved	AWM 80C 300V
Cable UL Approved	AWM 2464 80C 300V
RoHs Compliant	Yes

Current rating per conductor size and number of conductors used.
Check appropriate standards.





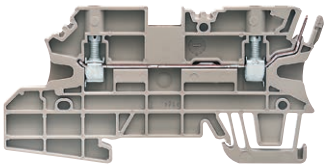
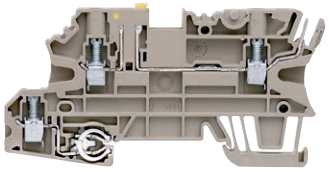
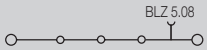
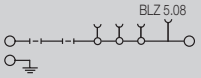
18 Pair Color Code

P1. Black and Black/White
P2. Black/Red and Black/Red/White
P3. Black/Red/Violet and White
P4. White/Red and White/Black
P5. White/Red/Black and White/Red/Violet
P6. Red and Red/White
P7. Red/Black and Red/Violet
P8. Red/White/Black and Red/Black/Violet
P9. Blue and Blue/White
P10. Blue/Red and Blue/Black
P11. Blue/White/Black and Violet
P12. Violet/White and Violet/Black
P13. Violet/Orange/Black and Violet/Black/White
P14. Orange and Orange/Red
P15. Orange/Black and Orange/Violet
P16. Orange/White/Black and Orange/Black/Violet
P17. Brown and Brown/White
P18. Yellow and Yellow/Black

8 Pair Color Code

P1. Black and Black/White
P2. Black/Red and Black/Red/White
P3. Black/Red/Violet and White
P4. White/Red and White/Black
P5. White/Red/Black and White/Red/Violet
P6. Red and Red/White
P7. Red/Black and Red/Violet
P8. Red/White/Black and Red/Black/Violet

Multi-functional terminals

	WMF 2.5 BLZ 2.5 mm²	WMF 2.5 DI BLZ PE 2.5 mm²
		
Width/Length/height with TS35x7.5 mm	5.08 x 87 x 45	5.08 x 87 x 45
max. current / max. cond. cross-section A/mm²	**26 / 4**	**19 / 4**
Max. clamping range mm²	**0.05...4**	**0.05...4**
		

Technical data

Rated data		IEC	UL	CSA	IEC	UL	CSA
Rated voltage	V	250	300	300	250	300	300
Rated current	A	24	10	10	20	10	10
Rated cross-section	(mm²)	2.5	26...12 AWG (0.05...4)		2.5	26...12 AWG (0.05...4)	
Rated impulse voltage / Pollution severity	kV/-		8 kV/3			8 kV/3	
Further technical data							
solid / stranded	mm²	0.5...4 / 1.5...4			0.5...4 / 1.5...4		
"f" with wire end ferrule acc. to DIN 46 228/1	(AWG)	0.5...2.5 (26...14)			0.5...2.5 (26...14)		
"f" with wire end ferrule with plastic collar	(AWG)	0.5...2.5 (26...14)			0.5...2.5 (26...14)		
Stripping length / Torque range	mm	10 / 0.5 - 0.6			10 / 0.5 - 0.6		
Note		UL rated current = 26A (factory wiring only) 20A (factory and field wiring) 15A (at BLZ plug)			UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D		

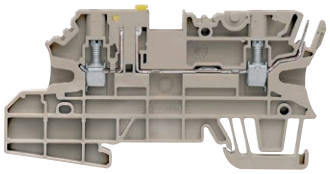
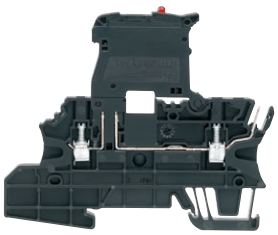
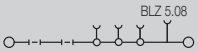
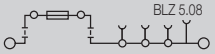
Ordering data

Version	Type	Qty.	Part No.	Type	Qty.	Part No.
Dark beige Wemid	WMF 2.5 BLZ	50	**1143050000**	WMF 2.5 DI BLZ PE	50	**1143010000**
Blue Wemid						
Black Wemid						
10 - 36 V AC/DC, with LED						
30 - 70 V AC/DC, with LED						
60 - 15 V AC/DC, with LED						
100 - 250 V AC/DC, with LED						
Note	UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D			UL rated current: 14A at BLZ plug		

Accessories

End plate / partition	Version	Type	Qty.	Part No.	Type	Qty.	Part No.
AP WMF2.5; Pitch = 1.5 mm	Beige Wemid	AP WMF2.5	1	**1142990000**	AP WMF2.5	1	**1142990000**
Mounting block for socket connector							
	Without peg	WBB WMF2.5 BLZ	1	**1142980000**	WBB WMF2.5 BLZ	1	**1142980000**
Cross-connection							
ZQV 2.5N	2-pole	ZQV 2.5N/2 GE	60	**1693800000**	ZQV 2.5N/2 GE	60	**1693800000**
	3-pole	ZQV 2.5N/3 GE	60	**1693810000**	ZQV 2.5N/3 GE	60	**1693810000**
	10-pole	ZQV 2.5N/10 GE	20	**1693880000**	ZQV 2.5N/10 GE	20	**1693880000**
	20-pole	ZQV 2.5N/20 GE	10	**1909000000**	ZQV 2.5N/20 GE	10	**1909000000**
Screwdriver							
SD acc. to DIN 5264-A		SD 0.6x3.5x100	1	**9008330000**	SD 0.6x3.5x100	1	**9008330000**
Module connector (max. 250 V)							
	Without fittings				BEST	50	**1833100000**
	With wire jumper				BEST/DRBR	50	**1878570000**
	With 1N4007 diode				BEST/D	50	**1878560000**
Holder for cartridge fuse, 5 x 20 mm		**Width**			**Width**		
	400 V AC/DC, without LED	SIHA 3/G20 6 mm	25	**7921560000**	SIHA 3/G20 6 mm	25	**7921560000**
	10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V 6 mm	25	**7921570000**	SIHA 3/G20/LD 10-36V 6 mm	25	**7921570000**
	140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V 6 mm	25	**7921600000**	SIHA 3/G20/LD 140-250V 6 mm	25	**7921600000**
Fuse levers for fuse or disconnect terminals							
					WMF 2.5 Fuse Lever, w/o indication		**1167630000**
					WMF 2.5 Fuse Lever, LED 10-36VAC/DC		**1167640000**
					WMF 2.5 Fuse Lever, LED 30-70VAC/DC		**1167650000**
					WMF 2.5 Fuse Lever, LED 60-150VAC/DC		**1167670000**
					WMF 2.5 Fuse Lever, LED 100-250VAC/DC		**1167680000**
Disconnect plug							
	Yellow Wemid				TNST	50	**1833090000**
	Disconnect lever only						
Marking tags	**Printout**						
DEK	neutral	DEK 5	1000	**1609801044**	DEK 5	1000	**1609801044**
WS	neutral	WS 10/5 MC Middle	720	**1792000000**	WS 10/5 MC Middle	720	**1792000000**
WAD cover for unused plug positions		WAD WMF2.5	1	**1142970000**	WAD WMF2.5	1	**1142970000**

Multi-functional terminals

		WMF 2.5 DI BLZ	2.5 mm²	WMF 2.5 FU BLZ	2.5 mm²
					
Width/Length/height with TS35x7.5	mm	5.08 x 87 x 45		5.08 x 87 x 72	
max. current / max. cond. cross-section	A/mm²	**19 / 4**		**15 / 4**	
Max. clamping range	mm²	**0.05...4**		**0.05...4**	

Technical data

Rated data		IEC	UL	CSA	IEC	UL	CSA
Rated voltage	V	250			250	300	300
Rated current	A	20			6.3	10	10
Rated cross-section	(mm²)	2.5			2.5	26...12 AWG (0.05...4)	
Rated impulse voltage / Pollution severity	kV/-		8 kV/3			8 kV/3	
Further technical data							
solid / stranded	mm²	0.5...4 / 1.5...4			0.5...4 / 1.5...4		
"f" with wire end ferrule acc. to DIN 46 228/1	(AWG)	0.5...2.5 (26...14)			0.5...2.5 (26...14)		
"f" with wire end ferrule with plastic collar	(AWG)	0.5...2.5 (26...14)			0.5...2.5 (26...14)		
Stripping length / Torque range	mm	10 / 0.5 - 0.6			10 / 0.5 - 0.6		
Note		UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D			UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D 8.5A at BLZ plug		

Ordering data

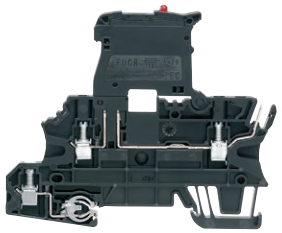
Version	Type	Qty.	Part No.	Type	Qty.	Part No.
Dark beige Wemid	WMF 2.5 DI BLZ	50	**1143000000**			
Blue Wemid						
Black Wemid				WMF 2.5 FU BLZ SW	50	**1162980000**
10 - 36 V AC/DC, with LED				WMF 2.5 FU BLZ 10-36V SW	50	**1162990000**
30 - 70 V AC/DC, with LED				WMF 2.5 FU BLZ 30-70V SW	50	**1163000000**
60 - 15 V AC/DC, with LED				WMF 2.5 FU BLZ 60-150V SW	50	**1163010000**
100 - 250 V AC/DC, with LED				WMF 2.5 FU BLZ 100-250V SW	50	**1163020000**
Note	UL rated current: 14A at BLZ plug			LED versions with low leakage current < 0.5 mA		

Accessories

End plate / partition	Version	Type	Qty.	Part No.	Type	Qty.	Part No.
AP WMF2.5; Pitch = 1.5 mm	Beige Wemid	AP WMF2.5	1	**1142990000**	AP WMF2.5	1	**1142990000**
Mounting block for socket connector							
	Without peg	WBB WMF2.5 BLZ	1	**1142980000**	WBB WMF2.5 BLZ	1	**1142980000**
Cross-connection							
ZQV 2.5N	2-pole	ZQV 2.5N/2 GE	60	**1693800000**	ZQV 2.5N/2 GE	60	**1693800000**
	3-pole	ZQV 2.5N/3 GE	60	**1693810000**	ZQV 2.5N/3 GE	60	**1693810000**
	10-pole	ZQV 2.5N/10 GE	20	**1693880000**	ZQV 2.5N/10 GE	20	**1693880000**
	20-pole	ZQV 2.5N/20 GE	10	**1909000000**	ZQV 2.5N/20 GE	10	**1909000000**
Screwdriver							
SD acc. to DIN 5264-A		SD 0.6x3.5x100	1	**9008330000**	SD 0.6x3.5x100	1	**9008330000**
Module connector (max. 250 V)							
	Without fittings	BEST	50	**1833100000**			
	With wire jumper	BEST/DRBR	50	**1878570000**			
	With 1N4007 diode	BEST/D	50	**1878560000**			
Holder for cartridge fuse, 5 x 20 mm		**Width**			**Width**		
	400 V AC/DC, without LED	SIHA 3/G20	6 mm 25	**7921560000**	SIHA 3/G20	6 mm 25	**7921560000**
	10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V	6 mm 25	**7921570000**	SIHA 3/G20/LD 10-36V	6 mm 25	**7921570000**
	140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V	6 mm 25	**7921600000**	SIHA 3/G20/LD 140-250V	6 mm 25	**7921600000**
Fuse levers for fuse or disconnect terminals							
		WMF 2.5 Fuse Lever, w/o indication		**1167630000**	WMF 2.5 Fuse Lever, w/o indication		**1167630000**
		WMF 2.5 Fuse Lever, LED 10-36VAC/DC		**1167640000**	WMF 2.5 Fuse Lever, LED 10-36VAC/DC		**1167640000**
		WMF 2.5 Fuse Lever, LED 30-70VAC/DC		**1167650000**	WMF 2.5 Fuse Lever, LED 30-70VAC/DC		**1167650000**
		WMF 2.5 Fuse Lever, LED 60-150VAC/DC		**1167670000**	WMF 2.5 Fuse Lever, LED 60-150VAC/DC		**1167670000**
		WMF 2.5 Fuse Lever, LED 100-250VAC/DC		**1167680000**	WMF 2.5 Fuse Lever, LED 100-250VAC/DC		**1167680000**
Disconnect plug							
	Yellow Wemid	TNST	50	**1833090000**			
	Disconnect lever only						
Marking tags	**Printout**						
DEK	neutral	DEK 5	1000	**1609801044**	DEK 5	1000	**1609801044**
WS	neutral	WS 10/5 MC Middle	720	**1792000000**	WS 10/5 MC Middle	720	**1792000000**
WAD cover for unused plug positions		WAD WMF2.5	1	**1142970000**	WAD WMF2.5	1	**1142970000**

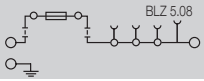
Multi-functional terminals

WMF 2.5 FU BLZ PE SW 2.5 mm²



Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

5.08 x 87 x 72	
15 / 4	
0.05...4	



Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	(mm²)
Rated impulse voltage / Pollution severity	kV/-
Further technical data	
solid / stranded	mm²
"f" with wire end ferrule acc. to DIN 46 228/1	(AWG)
"f" with wire end ferrule with plastic collar	(AWG)
Stripping length / Torque range	mm
Note	

IEC	UL	CSA
250	300	300
6.3	10	10
2.5	26...12 AWG (0.05...4)	
	8 kV/3	
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltages / current: 300V at User Group B		
	150V / 15A at User Group D	
	300V / 10A at User Group D	
	8.5A at BLZ plug	

Ordering data

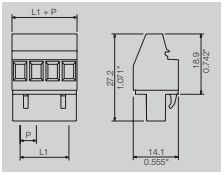
Version	**Type**	**Qty.**	**Part No.**
Dark beige Wemid			
Blue Wemid			
Black Wemid	WMF 2.5 FU BLZ PE SW	50	**1162820000**
10 - 36 V AC/DC, with LED	WMF 2.5 FU BLZ PE 10-36V SW	50	**1162830000**
30 - 70 V AC/DC, with LED	WMF 2.5 FU BLZ PE 30-70V SW	50	**1162840000**
60 - 15 V AC/DC, with LED	WMF 2.5 FU BLZ PE 60-150V SW	50	**1162850000**
100 - 250 V AC/DC, with LED	WMF 2.5 FU BLZ PE 100-250V SW	50	**1162860000**
Note	LED versions with low leakage current < 0.5 mA		

Accessories

End plate / partition	**Version**	**Type**	**Qty.**	**Part No.**
AP WMF2.5; Pitch = 1.5 mm	Beige Wemid	AP WMF2.5	1	**1142990000**
Mounting block for socket connector				
	Without peg	WBB WMF2.5 BLZ	1	**1142980000**
Cross-connection				
ZQV 2.5N	2-pole	ZQV 2.5N/2 GE	60	**1693800000**
	3-pole	ZQV 2.5N/3 GE	60	**1693810000**
	10-pole	ZQV 2.5N/10 GE	20	**1693880000**
	20-pole	ZQV 2.5N/20 GE	10	**1909000000**
Screwdriver				
SD acc. to DIN 5264-A		SD 0.6x3.5x100	1	**9008330000**
Module connector (max. 250 V)				
	Without fittings			
	With wire jumper			
	With 1N4007 diode			
Holder for cartridge fuse, 5 x 20 mm		**Width**		
	400 V AC/DC, without LED	SIHA 3/G20	6 mm 25	**7921560000**
	10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V	6 mm 25	**7921570000**
	140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V	6 mm 25	**7921600000**
Fuse levers for fuse or disconnect terminals				
		WMF 2.5 Fuse Lever, w/o indication		**1167630000**
		WMF 2.5 Fuse Lever, LED 10-36VAC/DC		**1167640000**
		WMF 2.5 Fuse Lever, LED 30-70VAC/DC		**1167650000**
		WMF 2.5 Fuse Lever, LED 60-150VAC/DC		**1167670000**
		WMF 2.5 Fuse Lever, LED 100-250VAC/DC		**1167680000**
Disconnect plug				
	Yellow Wemid			
	Disconnect lever only			
Marking tags	**Printout**			
DEK	neutral	DEK 5	1000	**1609801044**
WS	neutral	WS 10/5 MC Middle	720	**1792000000**
WAD cover for unused plug positions		WAD WMF2.5	1	**1142970000**

BLZP 5.08/90

Can be mounted side-by-side without sacrificing any poles

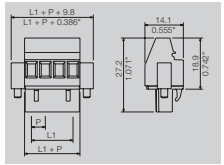


Ordering data

Pitch 5.08 mm						
Color of plastic					**Orange**	**Black**
Poles	L1 mm	(inch)	Qty.		**Part No.**	**Part No.**
2	5.08	(0.200)	180		**1948000000**	**1948240000**
4	15.24	(0.600)	90		**1948020000**	**1948260000**
8	35.56	(1.400)	42		**1948060000**	**1948300000**
12	55.88	(2.200)	30		**1948110000**	**1948340000**
16	76.20	(3.000)	18		**1948150000**	**1948380000**

BLZP 5.08/90F

With screw flange



Ordering data

Pitch 5.08 mm						
Color of plastic					**Orange**	**Black**
Poles	L1 mm	(inch)	Qty.		**Part No.**	**Part No.**
2	5.08	(0.200)	90		**1949800000**	**1950040000**
4	15.24	(0.600)	60		**1949820000**	**1950060000**
8	35.56	(1.400)	36		**1949860000**	**1950100000**
12	55.88	(2.200)	24		**1949900000**	**1950140000**
16	76.20	(3.000)	18		**1949940000**	**1950180000**

Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid H05(07) V-U	mm²	0.2...4		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
according to norm		DIN 5264		
Tightening torque range	Nm	0.4 ... 0.5		
Rated current				
at ambient temperature		**20 °C**		**40 °C**
	A	15		12
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300		300
Rated current	A	15		10
AWG conductor			26–12	
CSA C22.2 rated data		**B**	**C**	**D**
Nominal voltage	V	300		300
Rated current	A	10		10
AWG conductor			26–12	
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		