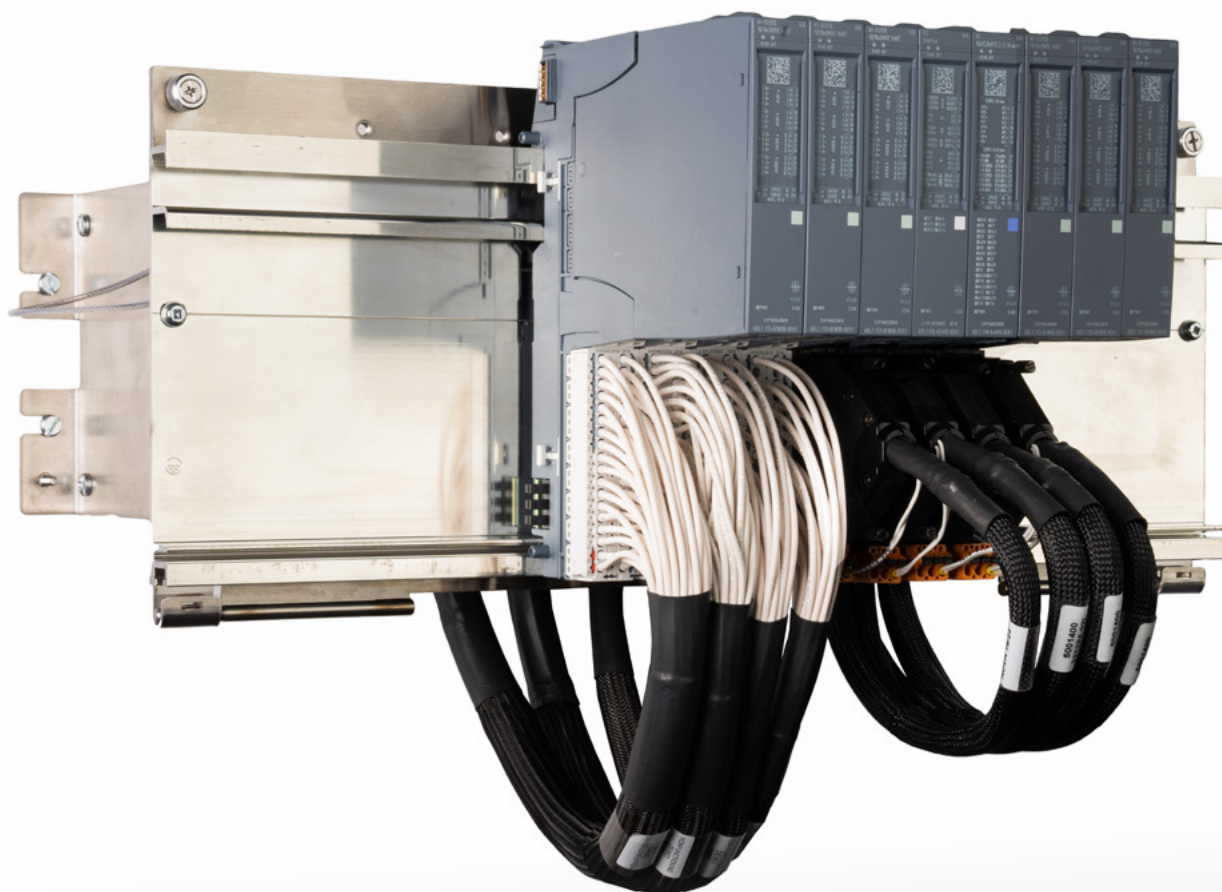


Migration solutions

MiBridge-Migration made easy

From SIEMENS ET 200M to ET 200SP HA



SIEMENS

Weidmüller 

Space-saving bridge system

Convenient PLC/ DCS changeover within a few hours

With Weidmüller PLC/ DCS migration interfaces, there's no need to make any changes to the field cabling, so this shortens the amount of time needed to upgrade the entire plant. Indeed, what used to be a PLC/ DCS migration process that lasted a good few weeks is now an update that can be completed in just a few hours – including the system tests. Production facilities can return to operating as normal even after the briefest of downtimes.

MiBridge features

- No additional space required in the control cabinet
- Eliminates wiring errors. Existing field wiring remains as is and not disturbed
- Significantly reduces downtime
- Plug-and-play

Retrofitting made easy – the migration process

Step 1

The bridge takes the place of the old control system so that no additional space is required in the panel.



Step 2

Front adapters are added so that the existing field wiring signal can be carried with pre assembled cables to the new PLC/ DCS.



Step 3

Lastly, the rail with the new PLC/ DCS is positioned and the pre-assembled cable from the FAD is connected to the appropriate new I/O card.



Scan the QR code to watch our handling video on YouTube!

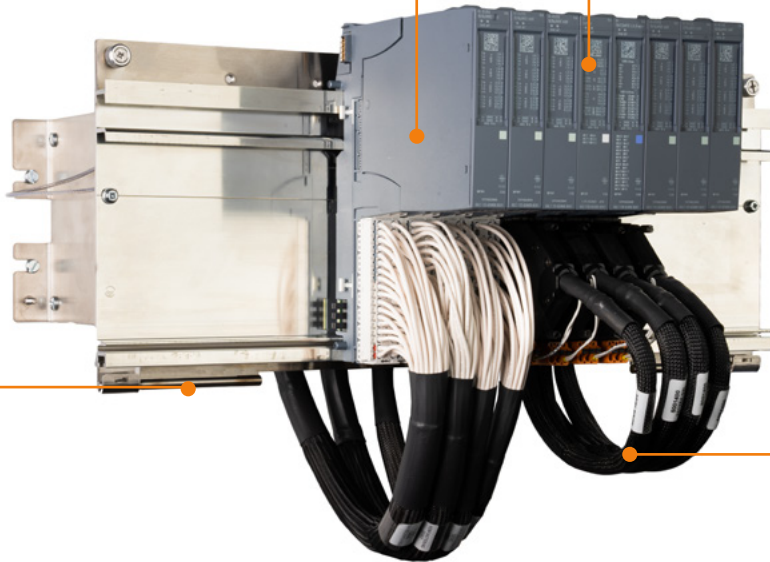
Migration rack

The ET 200SP HA cards can be allocated in the upper part of the chassis.



Maximum space savings

With the bridge solution, the existing control rack is replaced, meaning that no extra space is required in the control cabinet. On two levels, the new PLC/ DCS is mounted in the same place above the existing controller. Migration is performed via an adapter card and a cable with the new PLC/ DCS connector.



Error-free migration

Easy-to choose migration components and the possibility of combining tested, pre-assembled cables and front plug-in adapters make for error-free connection of the new PLC/ DCS.

Less space required

The rack system replaces the old control system and combines connection levels and the new control to create one compact unit. Due to the possibility of easily turning down the upper deck the connection components are accessible without any difficulty.



Selection Table for migration between SIEMENS ET 200M to ET 200SP HA

The following selection tables help you to choose the ADAPTOR to migrate from **SIEMENS ET 200M** and to **SIEMENS ET 200SP HA**

1. Choose the combination Old PLC Card-New PLC card needed
2. Select the order number of the ADAPTOR to be ordered (Halogen free or none haloge free):

Please always take into account the characteristics of the new PLC card so that it is able to provide enough current to your existing application to act the field elements.

SIEMENS ET 200M Card			SIEMENS ET 200 SPHA Card		Adaptors		
Old card	Number	Function	New card	Termination block	18AWG eURus loomed cable	Halogen free	Qty
6ES7321-1BH02-0AA0	20	DI, 1-wire	6DL1131-6BH00-0PH1	37 Pin Dsub	8000137426	3082420006	1
6ES7321-1BL00-0AA0	40	DI, 1-wire	6DL1131-6BL00-0PH1	37 Pin Dsub	8000137476	3082440006	1
6ES7321-7BH01-0AB0	20	DI, 1-wire, 2x Supply	6DL1131-6BH00-0PH1	37 Pin Dsub	8000137470	3082530006	1
6ES7321-7TH00-0AB0	40	DI, 1-wire, 2x Supply, NAMUR 8,1V	6DL1131-6TH00-0PH1	37 Pin Dsub	8000137471	3082580006	1
6ES7322-1BH01-0AA0	20	DQ, 1-wire	6DL1132-6BH00-0PH1	37 Pin Dsub	8000137475	3082630006	1
6ES7322-1BL00-0AA0	40	DQ, 1-wire	6DL1132-6BL00-0PH1	37 Pin Dsub	8000137476	3082440006	1
6ES7322-8BH00-0AB0	40	DQ, 1-wire	6DL1132-6BH00-0PH1	37 Pin Dsub	8000137477	3082640006	1
6ES7322-8BH01-0AB0	40	DQ, 1-wire	6DL1132-6BH00-0PH1	37 Pin Dsub	8000137478	3082650006	1
6ES7322-8BH10-0AB0	40	DQ, 1-wire	6DL1132-6BH00-0PH1	37 Pin Dsub	8000137479	3082660006	1
6ES7331-1KF01-0AB0	40	AI, 2-wire, voltage	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141044	3082670006	1
6ES7331-1KF02-0AB0	40	AI, 2-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141045	3082680006	1
6ES7331-1KF01-0AB0	40	AI, 3-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141046	3082690006	1
6ES7331-1KF01-0AB0	40	AI, 4-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141047	3082700006	1
6ES7331-1KF02-0AB0	40	AI, 2-wire, voltage	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141048	3082710006	1
6ES7331-1KF02-0AB0	40	AI, 2-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141049	3082720006	1
6ES7331-1KF02-0AB0	40	AI, 3-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141050	3082730006	1
6ES7331-1KF02-0AB0	40	AI, 4-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141051	3082740006	1
6ES7331-7HF01-0AB0	20	AI, 2-wire, current	6DL1134-6TH00-0PH1	37 Pin Dsub	8000141052	3082750006	1
6ES7331-7KF01-0AB0	40	AI, 2-wire, voltage	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141053	3082760006	1
6ES7331-7KF01-0AB0	40	AI, 2-wire, current	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141054	3082770006	1
6ES7331-7KF01-0AB0	40	AI, 4-wire, current	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141055	3082780006	1
6ES7331-7KF01-0AB0	40	AI, R/T measurement	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141056	3082790006	1
6ES7331-7KF02-0AB0	40	AI, 2-wire, voltage	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141057	3082800006	1
6ES7331-7KF02-0AB0	40	AI, 2-wire, current	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141058	3082810006	1
6ES7331-7KF02-0AB0	40	AI, 4-wire, current	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141059	3082820006	1
6ES7331-7KF02-0AB0	40	AI, R/T measurement	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141060	3082830006	1
6ES7331-7NF00-0AB0	40	AI, 2-wire, voltage	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141631	3082840006	1
6ES7331-7NF00-0AB0	40	AI, 4-wire, current	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141632	3082850006	1
6ES7331-7NF10-0AB0	40	AI, 2-wire, voltage	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141268	3082860006	1
6ES7331-7NF10-0AB0	40	AI, 4-wire, current	6DL1134-6AF00-0PH1	37 Pin Dsub	8000141269	3082870006	1
6ES7331-7PF01-0AB0	40	AI, 4-wire, RTD	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141270	3082880006	1
6ES7331-7PF11-0AB0	40	AI, 2-wire, TC	6DL1134-6JH00-0PH1	37 Pin Dsub	8000141271	3082890006	1
6ES7331-7RD00-0AB0	20	AI, 2-wire, current, channel isolation, non-Ex	6DL1134-6UD00-0PK0	37 Pin Dsub	8000141279	3082900006	1
6ES7331-7TF01-0AB0	20	AI, 2-wire, current	6DL1134-6TH00-0PH1	37 Pin Dsub	8000141272	3082910006	1
6ES7332-5HB01-0AB0	20	AQ, 2-wire, current	6DL1135-6TF00-0PH1	37 Pin Dsub	8000141273	3082920006	1
6ES7332-5HD01-0AB0	20	AQ, 2-wire, current	6DL1135-6TF00-0PH1	37 Pin Dsub	8000141274	3082930006	1
6ES7332-5HF00-0AB0	40	AQ, 2-wire, current	6DL1135-6TF00-0PH1	37 Pin Dsub	8000141275	3082940006	1
6ES7332-5RD00-0AB0	20	AQ, 2-wire, current, channel isolation, non-ex	6DL1135-6UD00-0PK0	37 Pin Dsub	8000141276	3082950006	1
6ES7332-8TF01-0AB0	20	AQ, 2-wire, current	6DL1135-6TF00-0PH1	37 Pin Dsub	8000141277	3082960006	1
6ES7326-1BK02-0AB0		DI-F	2 units 6DL1136-6BA00-0PH1			3149760006	1
6ES7326-2BF10-0AB0		DO-F	6DL1136-6DA00-0PH1			3149750006	1
6ES7336-4GE00-0AB0		AI-F	6DL1136-6AA00-0PH1			3149740006	1

Note: It is imperative that the customer confirms the pinouts of each of the cables prior to purchase. This is to ensure it meets the users requirements and matches their individual installation needs.

Cables with flying leads halogen free				
Number of poles Type		Number of poles Type		Order No.
PAC-ET200M-20-F-05-HF-V0-		20p		3115470xxx
PAC-ET200M-40-F-05-HF-V0-		40p		3115470xxx

Note: The last 3 digits of the cable code indicate its length in decimetres. For example, if the code ends in 100, the cable would be 10 m long.

Selection Table for migration between SIEMENS ET 200M to ET 200SP HA

The following selection tables help you to choose the ADAPTOR to migrate from **SIEMENS ET 200M** and **S7-300** to **SIEMENS ET 200 SP HA**

1. Choose the combination Old PLC Rack-New PLC rack
2. Select the order number of the CHASIS to be ordered:

SIEMENS ET 200M Card	
Type	Order No.
MBGE Chassis ET200M 4 slot (160mm)	8000178707
MBGE Chassis ET200M 8 slot (483mm)	8000177660
MBGE Chassis ET200M 10 slot (530mm)	8000178708
MBGE Chassis ET200M 12 slot (620mm)	8000178709
MBGE Chassis ET200M 16 slot (830mm)	8000178710

Mi-Bridge: The benefits



Uniquely designed solution

The key to our migration platform is the design. It permits your existing field wiring to remain in place and undisturbed on the front panel adapter, and eliminates the need to wire-trace or ring-out.



Compatibility means flexibility

Weidmuller's migration solution includes several versions of card adaptors and cable types enabling you to seamlessly migrate to any control system.



Minimal components maximise migration efficiency

The assembly is a universal conversion/migration system for main legacy PLC/ DCS systems, enabling you to seamlessly migrate to any new control system.



Quick and efficient

Time savings up to 95% thanks to reduced cabling combined with a reduction in the testing and marking workload.



Safe and reliable

Convenient plug-and-play solution without the error sources typically seen in conventional cable processing and point-to-point wiring.



Equipped for the future

The control system can be updated and retrofitted without having to re-wire the sensors and actuators in the field.

Weidmüller – Your partner in Smart Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Smart Industrial Connectivity.

We cannot guarantee that there are no mistakes in the publications or software provided by us to the customer for the purpose of making orders. We try our best to quickly correct errors in our printed media.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. On demand we can also send the general terms of delivery to you.

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