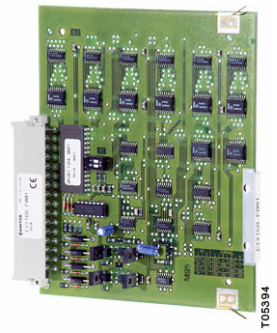
EYX168: nova106, DO driver card

The driver card forms the interface to the field modules. It uses a special field telegram to transmit switching commands and receive the feedback signal. Connection is effected via novaLink; the distance between card and field module should not exceed 100 m.

Application: for activating the moduLink164 and moduLink165 external field modules



Products

Type	Description	Weight (kg)
EYX168F001	DO driver card	0.175

Technical data

Electrical supply

Power supply	from rack
Power loss, max.	220 mA
Electrical supply	approx. 2.6 W

Execution

Factory setting	all switches set to "Off"

Inputs / Outputs

Field telegram novaLink		100 m max. (5 nF/7.5 Ω)
		twisted and shielded,
		both ends to earth
Number of outputs	moduLink164	2× EY-FM164 ≙ 8 × 0-I
	moduLink165	4× EY-FM165 ≙ 8 × 0-I-II

Permitted ambient conditions

Operating temperature	0…45 °C
Storage and transport temperature	–25…70 °C
Humidity	10…90% rh no condensation

Standards, guidelines and directives

CE conformity as per	
EMC Directive 2004/108/EC	EN 61000-6-1/EN 61000-6-2
	EN 61000-6-3/EN 61000-6-4

Additional information

Fitting instructions	MV 505540
Wiring diagram	A04641

Engineering notes

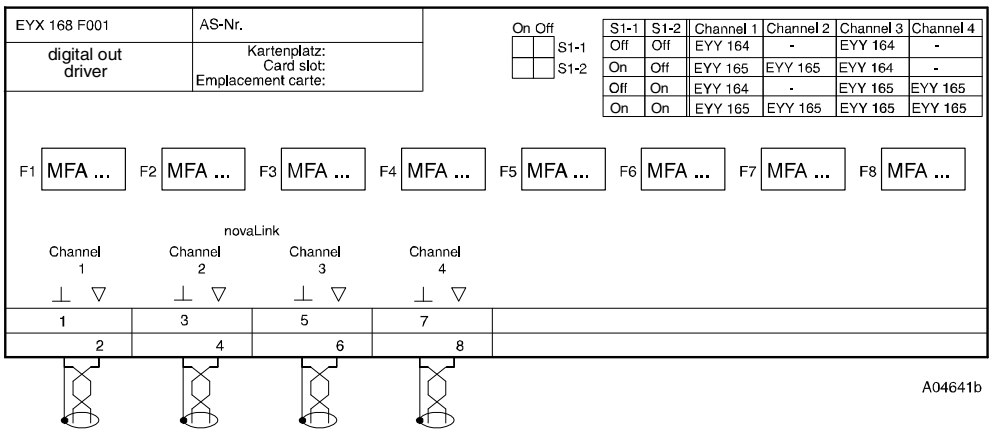
- The card is inserted in one of the EYU109 or EYU108 racks.
- Connection is via novaLink. Each unit has its own connection. The field telegram and the power supply are transmitted via this point-to-point link.
- The following combinations of units can be connected:

Coding for field modules

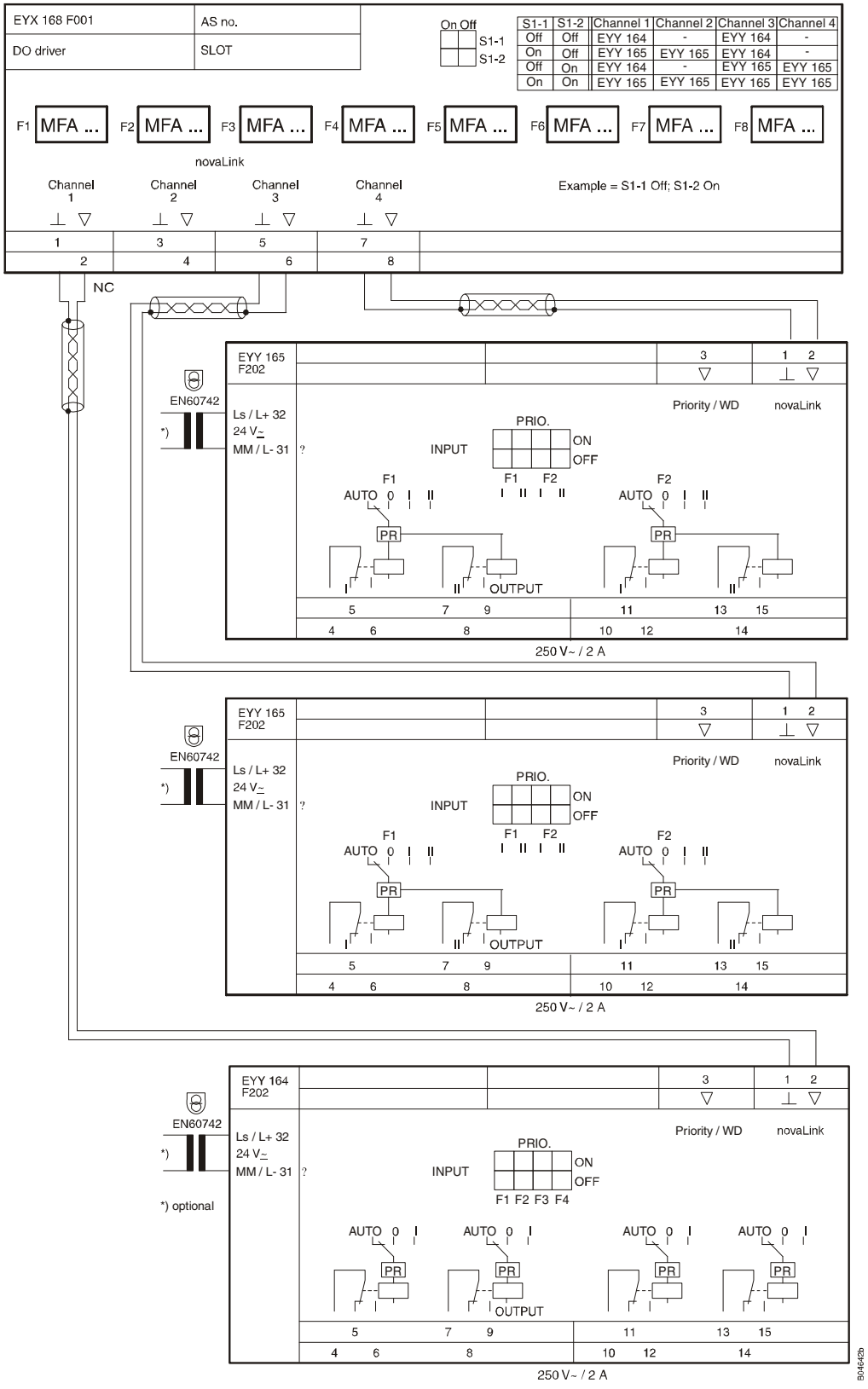
Channel		1	2	3	4
Terminal		1-2	3-4	5-6	7-8
S1-1	S1-2				
Off	Off	...164 F...	–	...164 F...	–
On	Off	...165 F...	...165 F...	...164 F...	–
Off	On	...164 F...	–	...165 F...	...165 F...
On	On	...165 F...	...165 F...	...165 F...	...165 F...

- The card has no optical elements for showing the feedback signal. These are located on the unit and show only simulated feedback signals.

Wiring diagram



Example of connection



© Fr. Sauter AG
Im Surinam 55
CH-4016 Basle
Tel. +41 61 - 695 55 55
Fax +41 61 - 695 55 10
www.sauter-controls.com
info@sauter-controls.com

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