SIMATIC ET 200ECO PN

Product Data Sheet

6ES7142-6BH00-0AB0

ET 200eco PN Sixteen-Channel Output Block

DIGITAL OUTPUT CHANNELS	OUTPUT CONNECTION	RATED LOAD SUPPLY	PERMISSIBLE SUPPLY RANGE
16	**8 M12 sockets; double-assigned**	**24 V DC**	**20.4 to 28.8 V DC**

Siemens 6ES7142-6BH00-0AB0 is a SIMATIC ET 200eco PN distributed output block with sixteen 24 V DC digital outputs. Eight double-assigned M12 sockets provide the output connections, and each channel is rated 1.3 A under the specified load-group and ambient conditions. The network connection uses 100BASE-TX with an integrated switch.

01 TECHNICAL DATA

Digital output channels	16
Output connection	8 M12 sockets; double-assigned
Rated load supply	24 V DC
Permissible supply range	20.4 to 28.8 V DC
Rated current per output	1.3 A
Supply feed-through limit	4 A per 1L+ / 2L+ supply
Typical electronics consumption	100 mA
Short-circuit response threshold	1.8 A
Maximum residual off-state current	1.5 mA
Maximum lamp load	5 W

Siemens 6ES7142-6BH00-0AB0 manufacturer technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Resistive switching rate	100 Hz
Inductive switching rate	0.5 Hz
Lamp switching rate	1 Hz
Unshielded signal-cable limit	30 m
Network connection	100BASE-TX; integrated switch

03 PRODUCT FUNCTION

The permissible supply range is 20.4 to 28.8 V DC, with separate 1L+ and 2L+ supply arrangements and a 4 A feed-through limit per supply. Electronic output protection includes a stated 1.8 A short-circuit response threshold. Switching rates differ by load type: 100 Hz for resistive loads, 0.5 Hz for inductive loads and 1 Hz for lamps. The field assembly has IP67 protection when fitted and connected as instructed.

04 SYSTEM COMPATIBILITY

Connect the separate supply circuits within 20.4 to 28.8 V DC and observe the 4 A feed-through limit for each supply. The 1.3 A channel figure does not authorize every output to draw that current simultaneously under all conditions. Apply the group-current and temperature derating limits from the module data.

05 REFERENCE

Siemens 6ES7142-6BH00-0AB0 manufacturer technical data; applicable specification pages.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM