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4 - Connection interfaces Telefast® 2 pre-wired system

Presentation and compatibility

Characteristics

References

Connection interfaces
Telefast® 2 pre-wired system
Discrete input and/or output sub-bases

Applications	**Discrete input or output**				
	 817436	 817437	 817438		
Relay amplification	–				
Equipped with relay	–				
Control voltage	⎓ 24 V				
Output voltage	⎓ 24 V				
Output current per channel	0.5 A				
Modularity	16		8 -12 -16		
No. of terminals per channel	1	1 to 3	1	2	
Type of connection terminals	Signal	Signal, common (configurable ⎓ 24 V or 0 V)	Signal	Signal, Common (configurable ⎓ 24 V or 0 V)	
Connectors	20-way HE10 connector				
Terminal block Removable	No		No		
Type of terminals	Screw		Screw or spring		
Additional or optional* function	Low cost version fitted with cable	Miniature sub-bases	Compact size *	Type 2 input * *(1)*	Isolator *
Device type	**ABE-7H20E●●● 7H32E●●●**	**ABE-7H16C●●**	**ABE-7H●●R1● 7H●●R50**	**ABE-7H●●R2●**	**ABE-7H●●S21**
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(1) For TSX Micro and TSX Premium PLCs.

Discrete input and output

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–		Removable electromechanical or solid state	
–		No	Yes
⎓ 24 V			
⎓ 24 V		⎓ 24 V (solid state) ⎓ 5... 24 V, ∿ 230 V (electromechanical)	
0.5 A	0.5 A	5 A (E.M.), 2 A (solid state)	5 A (th)
16		16 8 passive inputs 8 relay outputs	
1	2	1	
Signal, 2 common connections between the inputs and the outputs.	Signal, common, 2 common connections between the inputs and the outputs.	1 N/O contact and common, 4 output channels 2 input connection points	
20-way HE10 connectors			
No			
Screw			
Miniature sub-base Synergy with Tego Power and API Micro PLC		Miniature sub-base - Common per 4 channels Synergy with Tego Power and API Micro PLC	
ABE-7H16CM11	**ABE-7H16CM21**	**ABE-7P16M111**	**ABE-7R16M111**
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Connection interfaces
Telefast® 2 pre-wired system
Discrete input and output sub-bases

4

Applications	Discrete output					

Relay amplification	Electromechanical, fixed			Electromechanical or solid state		
Equipped with relay	Yes			Yes	No	No
Control voltage	⎓ 24 V					
Output voltage	⎓ 5 V... 30 V ∿ 230 V		⎓ 5 V... 150 V ∿ 230 V	⎓ 24 V (solid state) ⎓ 5 V... 24 V, ∿ 230 V (E.M.)		⎓ 5 V... 150 V ∿ 230 V
Output current per channel	2 A (th)	3 A (th)	5 A (th)	2 A (solid state), 6 A (electromechanical)		Depends on relay mounted 0.5 to 10 A
Modularity	8	8 - 16		16		8 or 16
No. of terminals per channel	2	1	2	1		2 to 3
Type of connection terminals	1 N/O contact and common Volt-free	1 N/O contact	1 N/O contact and common	1 N/O contact		Signal, Polarities
Connectors	20-way HE 10 connector					
Terminal block Removable	Yes	Yes	Yes	No		No
Type of terminals	Screw or spring			Screw		Screw or spring
Additional or optional* function	Miniature sub-base Bistable relay	Volt-free or common per 8 channels		Miniature sub-bases Common per 4 channels		Isolator and fuse
Device type	**ABE-7R08S216●**	**ABE-7R●●S1●●**	**ABE-7R●●S2●●**	**ABE-7R16T111**	**ABE-7P16T111**	**ABE-7P16T2●●● 7P08T3●●●**
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(1) For TSX Micro and TSX Premium PLCs.

				Discrete input			
				 817439			
Electromechanical, removable		Solid state, fixed	–	–		Solid state, fixed	Solid state, removable
Yes		Yes	–	–		Yes	No
						From ⎓ 24 V to ∿ 230 V	From 5 V TTL to ∿ 230 V
⎓ 5 V... 150 V ∿ 230 V		⎓ 24 V					
5A (th)	8 A (th)	from 0.5 to 2 A	125 mA	0.5 A	125 mA	12 mA	
16							
2 to 3	2 to 6	2		3	2		
1 C/O contact or 1 N/O contact and common	1 C/O contact or 2 C/O contacts and common	Signal and 0 V		Signal ⎓ 24 V and 0 V	Signal can be isolated, Protected common	Signal	Signal and common
No		Yes	No	No		Yes	No
Screw		Screw or spring		Screw		Screw or spring	
Volt-free or common per:		Fault signal	Isolator and fuse (indicator)	3-wire proximity sensor	Isolator and fuse (indicator)	–	
8 channels	4 channels						
ABE-7R16T2●●	**ABE-7R16T3●●**	**ABE-7S●●S2B●**	**ABE-7H16F43**	**ABE-7H16R3●**	**ABE-7H16S43**	**ABE-7S16E2●●**	**ABE-7P16F31●**
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Connection interfaces
Telefast® 2 pre-wired system
Analogue sub-bases

Applications	Analogue signals and special functions			

Compatibility	TSX Micro	TSX Premium	Standard	
Type of signal	Counter inputs and analogue I/O	Counter inputs Axis control Position control	Analogue inputs Current Voltage Pt 100	Analogue outputs Current Voltage
Functions	Passive connection, point-to-point with shield continuity			
Modularity	1 counter channel or 8 analogue inputs + 2 analogue outputs		8 channels	4 channels
Control voltage	⎓ 24 V			
Output voltage	⎓ 24 V			
Output current per channel	25 mA			
Number of terminals per channel	2		2 or 4	2 or 4
Type of connector	15-way SUB-D + 9-way SUB-D		25-way SUB-D	
Terminal block				
Removable	No		No	
Type of terminals	Screw		Screw	
Device type	**ABE-7CPA01**		**ABE-7CPA02**	**ABE-7CPA21**
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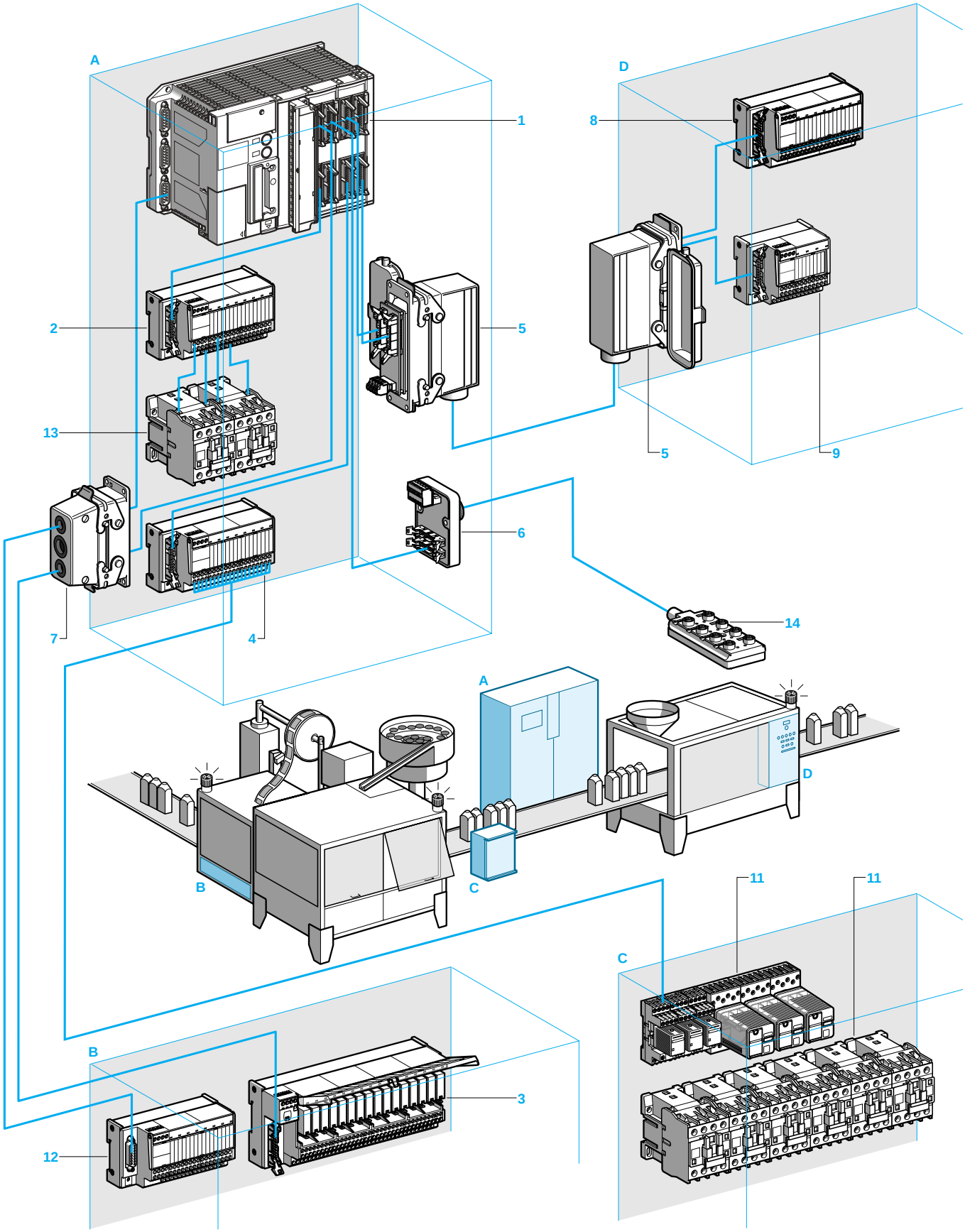
TSX Premium TSX AEY810	TSX Premium TSX CAY●1 TSX CTY2C	TSX Premium TSX AEY1614	TSX Premium TSX PAY2●2	
Analogue inputs Current Voltage Pt 100	Isolated analogue inputs	Inputs Counter	Inputs for thermocouples	I/O
Distribution of sensor power supplies per limiter (25 mA)	Distribution of isolated sensor power supplies per converter	Acquisition of value from an absolute encoder	Connection of 16 thermocouples with cold junction compensation	Safety module (BG)
8 channels	8 channels	1 channel	16 channels	12 Emergency stops
				–
		–	2 or 4	1
25-way SUB-D	25-way SUB-D	15-way SUB-D	25-way SUB-D	50-way SUB-D
No	No	No	No	No
Screw	Screw or spring	Screw	Screw	Screw
ABE-7CPA03	**ABE-7CPA31●**	**ABE-7CPA11**	**ABE-7CPA12**	**ABE-7CPA13**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