

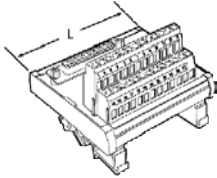
Link incompatible systems, or expand the capabilities of your logic system with Altech interface and electronic modules and carriers. These DIN rail or panel mounted printed circuit board modules and carriers give design flexibility, simplify panel layouts and reduce maintenance and downtime. Modules are supplied completely assembled, with ready to wire screw-cage clamp terminal blocks in an extruded track, and can be mounted on 35 or

32 mm DIN rail or directly to panels. Order ready-made modules or mount your own printed circuit boards into Altech mounting tracks. If your needs go beyond our comprehensive range of standard interface and electronic modules, Altech can custom design modules that meet even the most sophisticated requirements.

Interfaces

Provide a flexible, cost-effective transition between high density connectors, and high quality screw-cage clamp terminal blocks in communications, data processing, process

Sub-D Modules



Interface between high density connectors with up to 50 poles and discrete wires. No special tools are required. Equipped with male or female connectors. All terminal blocks are individually marked to correspond to the numbers on the connector pins or sockets. 250 VAC, 4 A; 22-12 AWG.

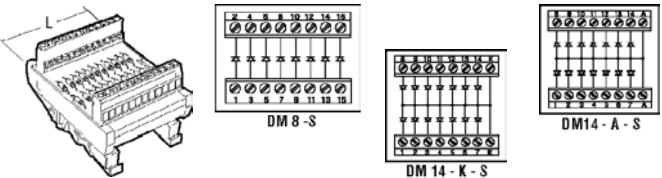
Modules with Sub-D Female Connectors

Stock No.	Mfr.'s Type	Part No.	Poles	Length (L) mm (In.)	EACH	
					1-4	5-9
502-1109	SD-F9	5745.2	9	45 (1.770)	32.10	29.43
502-1115	SD-F15	5746.2	15	48 (1.890)	41.71	38.24
502-1126	SD-F25	5747.2	25	81 (3.190)	51.05	46.79
502-1137	SD-F37	5748.2	37	114 (4.490)	65.09	59.67
502-1150	SD-F50	5749.2	50	137 (5.390)	90.69	83.13

Modules with Sub-D Male Connectors

502-1209	SD-M9	5740.2	9	45 (1.770)	32.10	29.43
502-1215	SD-M15	5741.2	15	48 (1.890)	41.72	38.24
502-1225	SD-M25	5742.2	25	81 (3.190)	47.39	43.44
502-1237	SD-M37	5743.2	37	114 (4.490)	65.09	59.67
502-1250	SD-M50	5744.2	50	137 (5.390)	90.69	83.13

Diode Modules



Wire individually labeled diodes into existing circuits for freewheeling, DC inductive kick suppression (commutating), reverse DC polarity protection, etc. Used bussed diodes for distribution of logic VCC or ground, or gather and decouple electrical signals for lamp testing or collective fault messages. Use as commutating diodes across inductive loads such as DC relays, solenoid valves, actuator magnets, etc. to suppress voltage surges. Standard modules include series connection diode circuits in 1 A versions, and diode gates with bussed anodes or cathodes. DIN rail mount, panel mount and 3 A diodes available. Can be ordered as component carriers without diodes. **Rated Current:** 1 A.

Bussed Diodes (Fig. A)

Stock No.	Mfr.'s Type	Part No.	No. of Diodes	Diode	Length (L) mm (In.)	EACH	
						1-4	5-9
502-5322	DM4-S	8971.2	4	1N4007	22.0 (0.87)	19.77	18.13
502-5324	DM8-S	5702.2	8	1N4007	42.0 (1.65)	38.79	35.56
502-5326	DM12-S	5703.2	12	1N4007	62.0 (2.44)	46.86	42.95
502-5328	DM16-S	8973.2	16	1N4007	90.0 (3.54)	63.58	58.28
502-5330	DM20-S	8974.2	20	1N4007	110.0 (4.33)	95.71	87.73
502-5332	DM24-S	8975.2	24	1N4007	130.0 (5.12)	97.43	89.31

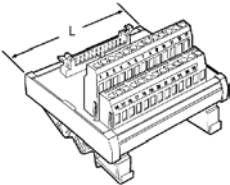
Bussed Anodes (Fig. B)

502-5334	DM6-A-S	8842.2	6	1N4007	22.0 (0.87)	27.75	25.44
502-5336	DM14-A-S	5704.2	14	1N4007	42.0 (1.65)	42.39	38.86
502-5338	DM22-A-S	5705.2	22	1N4007	62.0 (2.44)	52.94	48.53

Bussed Cathodes (Fig. C)

502-5340	DM6-K-S	8850.2	6	1N4007	22.0 (0.87)	42.39	38.86
502-5342	DM14-K-S	5706.2	14	1N4007	42.0 (1.65)	42.39	38.86
502-5344	DM22-K-S	5707.2	22	1N4007	62.0 (2.44)	52.94	48.53

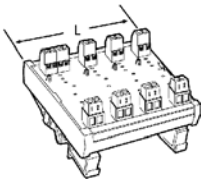
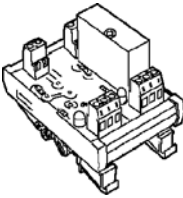
Ribbon Cable to Discrete Wire Modules



Interface between multiwire flat cables with up to 64 conductors and discrete wires. No special tools are required. Supplied with short strain relief ejector latches (long latches available). Terminal blocks are individually marked to correspond to the numbers on the header pins. 250 VAC, 3 A; 22-12 AWG.

Stock No.	Mfr.'s Type	Part No.	Poles	Length (L) mm (In.)	EACH	
					1-4	5-9
502-1010	FBK10	5720.2	10	47 (1.850)	28.03	25.69
502-1014	FBK14	5721.2	14	47 (1.850)	30.48	27.94
502-4202	FBK16	5722.2	16	69 (2.720)	34.45	31.58
502-4204	FBK20	5723.2	20	69 (2.720)	38.31	35.11
502-4206	FBK26	5724.2	26	80 (3.150)	43.40	39.78
502-4208	FBK34	5725.2	34	103 (4.060)	52.03	47.70
502-4210	FBK40	5726.2	40	114 (4.490)	61.56	56.43
502-4212	FBK50	5727.2	50	148 (5.830)	70.55	64.67
502-4214	FBK60	5728.2	60	170 (6.680)	96.10	88.09
502-4216	FBK64	5729.2	64	170 (6.680)	101.41	92.96

I/O Opto Carriers



Mount standard optocoupler input/output (I/O) modules in a high density arrangement for logic output to field devices, or for input of field data to the controller. Altech I/O carriers can accept up to 16 industry standard 0.6" (15.24 mm) I/O modules in any combination — input, output, AC or DC from most manufacturers. 1, 2, and 4 isolated position versions with 5, 15 and 24 VDC logic; and 4, 8 and 16 bussed (logic power) versions with 5 to 24 VDC.

Stock No.	Mfr.'s Type	Part No.	Positions (Sockets)	Length (L) mm (In.)	EACH	
					1-4	5-9
502-1361	I/OI-1B*	8954.0/B	1 Isolated	34.5 (1.360)	31.16	28.56
502-1362	I/OI-2B*	8955.0/B	2 Isolated	57.8 (2.280)	49.68	45.54
502-1366	I/OI-4B*	8956.0/B	4 Isolated	114.0 (4.490)	82.42	75.55
502-4240	I/OI-1E†	8954.0/E	1 Isolated	34.5 (1.360)	34.31	31.45
502-4242	I/OI-2E†	8955.0/E	2 Isolated	57.8 (2.280)	49.68	45.54
502-4244	I/OI-4E†	8956.0/E	4 Isolated	114.0 (4.490)	82.42	75.55
502-1370	I/OI-1G‡	8954.0/G	1 Isolated	34.5 (1.360)	31.16	28.56
502-1381	I/OI-2G‡	8955.0/G	2 Isolated	57.8 (2.280)	48.47	44.43
502-9991	I/OI-4G‡	8956.0/G	4 Isolated	114.0 (4.490)	82.43	75.56
502-4246	I/OB-4•	8956.0	4 Bussed	114.0 (4.490)	84.86	77.79
502-4248	I/OB-8•	8959.0	8 Bussed	183.0 (7.200)	154.17	141.32
502-4250	I/OB-16•	8861.0	16 Bussed	363.0 (14.30)	296.30	271.61

Logic Voltage: *5 VDC; †15 VDC; ‡24 VDC; •5-24 VDC.