


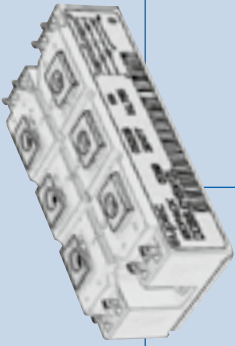
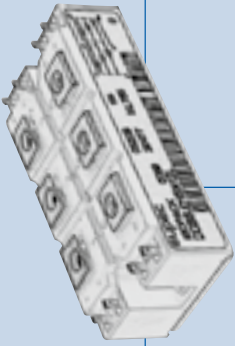
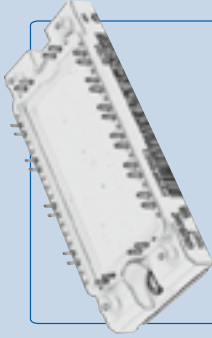
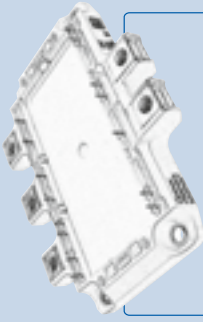


Bridge Rectifier & AC-Switches

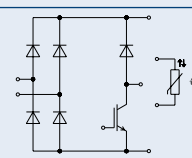
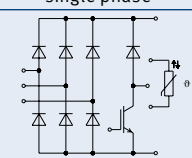
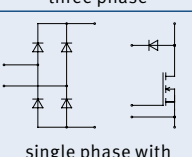
We offer bridge rectifier modules in solder pin design like EasyBRIDGE or eupec™ EconoBRIDGE™ modules. The available configurations are fully- and half-controlled rectifiers with brake IGBT and optional NTC resistor. They cover the current range from 25 A up to 180 A at 800 V, 1600 V and 1800 V.

The IsoPACK™ family with screwable load terminals are fully-, half- and uncontrolled rectifier modules. The three phase AC Switches complete the IsoPACK™ product family. The current range covers 85 A up to 205 A at 1600 V.

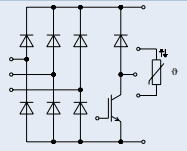
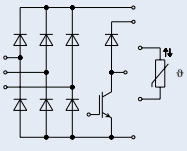
Overview Bridge Rectifier, AC-Switches

2000		EasyBRIDGE	$I_d = 25 - 75A$	Configuration B2U B6U
1800		eupec™ IsoPACK™ Bridge	$I_d = 85 - 205A$	Configuration B6 U/HK/C
1600		eupec™ IsoPACK™ AC-Switch	$I_{RMS} = 85 - 145A$	Configuration W3C
		eupec™ EconoBRIDGE™ 2	$I_d = 84 - 180A$	Configuration B6U B6HK
		eupec™ EconoBRIDGE™ 4	$I_d = 240 - 360 A$	Configuration B6HK
V_{RRM}				

EasyBRIDGE

800 V _{CEs}										
Type	V _{RRM} V	I _d A	Diode R _{thJC} K/W max.	V _{to} V T _{vj} = 150°C	r _t mΩ	Brake Chopper			Outline/ page	
						V _{CE} V	I _C * A T _C = 80°C	R _{thJC} K/W max.		
 <p>single phase</p>	DDB2U30N08VR	800	48	1,30	0,75	6,95	600	20	1,50	L_750d/6.7
 <p>three phase</p>	DDB6U30N08VR	800	30	1,80	0,85	8,30	600	20	1,50	L_750e/6.7
 <p>single phase with MOSFET chopper</p>	DDB2U50N08W1R_B23	800	50	1,20			600	50	0,25	data on request

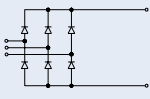
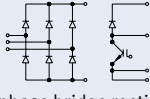
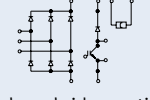
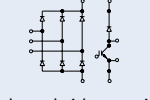
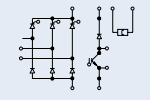
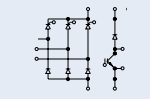
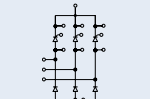
EasyBRIDGE

1600 V _{CEs}										
Type	V _{RRM} V	I _d A	Diode			Brake Chopper			Outline/ page	
			R _{thjC} K/W max.	V _{to} V T _{vj} = 150°C	r _t mΩ	V _{CE} V	I _C * A T _C = 80°C	R _{thjC} K/W max.		
 three phase	DDB6U25N16VR	1600	30	1,55	0,76	7,60	1200	15	1,45	L_750e/6.7
 three phase	DDB6U75N16W1R	1600	75	0,72			1200	50	0,45	L_1ba/6.7
	DDB6U75N16W1R_B11	1600	75	0,72			1200	50	0,45	L_1ba/6.7

* as specified in data sheet

..._B11 PressFIT Modules

eupec™ EconoBRIDGE™

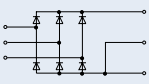
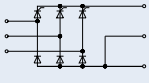
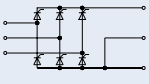
Type	V_{DRM}, V_{RRM} V $V_{DSM} = V_{DRM}$ $V_{RSM} =$ $V_{RRM} + 100V$	I_{RMSM} A	I_{FSM} (I_{TSM}) A 10 ms $T_{vj\ max}$	I_d/T_c A/°C	$V_{(TO)}$ V $T_{vj} =$ $T_{vj\ max}$	r_T mΩ $T_{vj} =$ $T_{vj\ max}$	R_{thJC} °C/W per arm 120° el Square wave	$T_{vj\ max}$ °C	V_{CES} V	I_C A	Outline/ page	
 3 phase bridge rectifier, uncontrolled	DDB6U100N16R	1600	100	550	100/100	0,75	5,5	1,15	150		M_EB2a/6.8	
	DDB6U144N16R	1600	144	1000	145/100	0,75	3,1	0,89	150		M_EB2a/6.8	
 3 phase bridge rectifier, uncontrolled with brake chopper	DDB6U84N16RR	1600	84	550	85/100	0,75	5,50	1,45	150	1200	50	M_EB2b/6.8
	DDB6U100N16RR	1600	100	550	100/100	0,75	5,50	1,15	150	1200	50	M_EB2b/6.8
 3 phase bridge rectifier, uncontrolled with brake chopper and NTC	DDB6U104N16RR	1600	104	550	105/100	0,75	5,50	1,08	150	1200	50	M_EB2c/6.8
	DDB6U104N18RR	1800	144	550	105/100	0,75	5,50	1,08	150	1200	50	M_EB2c/6.8
	DDB6U134N16RR	1600	134	550	134/100	0,75	6,30	0,70	150	1200	70	M_EB2c/6.8
 3 phase bridge rectifier, uncontrolled with brake chopper	◆ DDB6U180N16RR	1600	180	1400	180/80	0,83	2,30	0,35	150	1200	100	M_EB2h/6.9
	◆ DDB6U180N16RR_B11	1600	180	1400	180/80	0,83	2,30	0,35	150	1200	100	M_EB2g/6.9
 3 phase bridge rectifier, halfcontrolled with brake chopper and NTC	TDB6HK124N16RR	1600	124	550	125/85	0,75	6,30	0,63	125	1200	70	M_EB2d/6.8
 3 phase bridge rectifier, halfcontrolled with brake chopper	TDB6HK180N16RR	1600	180	1400	180/80	0,83	2,30	0,35	150	1200	100	M_EB2f/6.8
	TDB6HK180N16RR_B11	1600	180	1400	180/80	0,83	2,30	0,35	150	1200	100	M_EB2e/6.8
 3 phase bridge rectifier, half-controlled with NTC	◆ TDB6HK240N16P	1600	240	data on request							M_EB4a/6.9	
	◆ TDB6HK360N16P	1600	360	data on request							M_EB4a/6.9	

◆ New type


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eupec™ EconoBRIDGE™ Rectifiers are UL recognized

eupec™ IsoPACK™ Bridge

Type	V_{DRM}, V_{RRM} V $V_{DSM} = V_{DRM}$ $V_{RSM} =$ $V_{RRM} + 100V$	I_{FRMSM} (I_{TRMSM}) A	I_{FSM} (I_{TSM}) A 10 ms $T_{vj\ max}$	I_d/T_c A/°C	$V_{(TO)}$ V $T_{vj} =$ $T_{vj\ max}$	r_T mΩ $T_{vj} =$ $T_{vj\ max}$	R_{thJC} °C/W per arm 120° el Square wave	$T_{vj\ max}$ °C	Outline/ page	
 3 phase bridge rectifier, uncontrolled	DDB6U85N16L	1600	60	550	85/100	0,75	5,50	1,45	150	M_1Pa/6.9
	DDB6U145N16L	1600	100	1000	145/100	0,75	3,10	0,89	150	M_1Pa/6.9
	DDB6U205N16L	1600	120	1375	205/100	0,75	2,20	0,59	150	M_1Pa/6.9
	DDB6U215N16L	1600	125	1850	215/100	0,75	1,60	0,49	150	M_1Pa/6.9
 3 phase bridge rectifier, half controlled	TDB6HK95N16LOF	1600	75	620	95/85	0,95	5,50	0,82	125	M_1Pb/6.9
	TDB6HK135N16LOF	1600	100	870	135/85	0,95	4,30	0,59	125	M_1Pb/6.9
	TDB6HK165N16LOF	1600	120	1050	165/85	0,95	3,20	0,49	125	M_1Pb/6.9
 3 phase bridge rectifier, fully controlled	TTB6C95N16LOF	1600	75	620	95/85	0,95	5,50	0,82	125	M_1Pb/6.9
	TTB6C135N16LOF	1600	100	870	135/85	0,95	4,30	0,59	125	M_1Pb/6.9
	TTB6C165N16LOF	1600	120	1050	165/85	0,95	3,20	0,49	125	M_1Pb/6.9

eupec™ IsoPACK™ AC-Switch

Type	V_{DRM}, V_{RRM} V $V_{DSM} = V_{DRM}$ $V_{RSM} =$ $V_{RRM} + 100V$	I_{FRMSM} (I_{TRMSM}) A	I_{FSM} (I_{TSM}) A 10 ms $T_{vj\ max}$	I_d/T_c A/°C	$V_{(TO)}$ V $T_{vj} =$ $T_{vj\ max}$	r_T mΩ $T_{vj} =$ $T_{vj\ max}$	R_{thJC} °C/W per arm 120° el Square wave	$T_{vj\ max}$ °C	Outline/ page	
 3 phase AC-Switches, fully controlled	TTW3C85N16LOF	1600	75	620	85/85	0,95	5,50	0,70	125	M_1Pb/6.9
	TTW3C115N16LOF	1600	100	870	115/85	0,95	4,30	0,50	125	M_1Pb/6.9
	TTW3C145N16LOF	1600	120	1050	145/85	0,95	3,20	0,42	125	M_1Pb/6.9

eupec™ IsoPACK™ modules are UL recognized