

Property	S/D	0/1	R	I/C	TF	GY	RF	IF/CF	AB
Power output optionally	x	-	x	x	-	-	X <sup>1)</sup>	X <sup>1)</sup>	-
Displacement / momentum output optionally	-	-	-	x	-	-	-	x	-
Effort resp. flow scalar or vectorial optionally	x	x	x	x	x	x	x	x	x
Parameter									
matrix	-						x	x	
scalar		-	x	x	x	x			-
vector	x		-	-			-	-	
Non-linear parameter									
“input side“ optionally	x		x		x	x	x		-
“output side“ additionally	-	-	-	-	-	-	-	x	-
Causality changeable	x	-	x	x	x	x	x	x	x
Protection of feature settings optionally	x	x	x	x	x	x	x	x	-
Reset integrator plus initial value and limitation of displacement resp. momentum as well as effort / flow impact; initial value of power variable	-	-	-	x	-	-	-	-	-
Excluded common gain factor	-	-	-	-	-	-	x	-	-
“Output side“ inverting optionally	-	-	-	-	x	x	-	-	-

**Bond graph elements and their properties – tabularly summary for BG V.2.0**

(S/D: source/destination, 0/1: node, R: consumer, I/C: storage, TF: transformer, GY: gyrator, RF: R-field, IF/CF: I/C-field, AB: activated bond)

<sup>1)</sup> vector output for port power