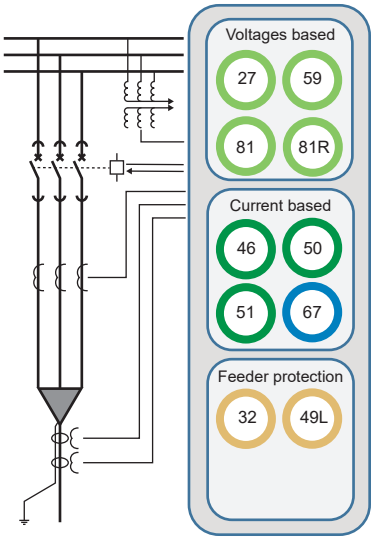
Product sheet

MVR-200 series Feeder protection

Feeder (MVR-F2xx) protection



MVR-21x series

MVR-25x series

Feature	Feeder				
	F201	F205	F210	F215	F255
5 x AC current measurement	✖	✖	✖	✖	✖
10 x AC current measurement (differential current included)					
4 x AC voltage measurement		✖		✖	✖
3 x DI, 5 x relay output, 1 x System fault (Watchdog) output	✖		✖	✖	✖
11 x DI, 10 x relay out, 1 x System fault (Watchdog) output		✖			
HW Option B: 8 x Isolated (2 groups) digital inputs, 10 to 200 V DC			✖	✖	✖
HW Option C: 5 x NO digital outputs, 220 V AC / 3 A or 220 V DC / 0.3 A			✖	✖	✖
HW Option I: 5 x analogue outputs 0(4) to 24 mA out, 1 x mA in*			✖	✖	✖
HW Option J: Double Fiber Ethernet interface**			✖	✖	✖
HW Option L: RS 232 interface + Serial fiber Plastic - Plastic (PP)**			✖	✖	✖
HW Option M: RS 232 interface + Serial fiber Plastic - Glass (PG)**			✖	✖	✖
HW Option N: RS 232 interface + Serial fiber Glass - Plastic (GP)**			✖	✖	✖
HW Option O: RS 232 interface + Serial fiber Glass - Glass (GG)**			✖	✖	✖
SW Option: Measuring class 0.25 (0.55 standard)				✖	✖
Number of option slots	0	0	4	3	1

* Max. 2 modules per relay.

** Only one communication option per relay.

Feeder protections

Protection	Codes		Feeder				
	IEC	ANSI	F201	F205	F210	F215	F255
Fault locator		21FL		×		×	×
Synchrocheck	DV/DA/DF	25		×		×	×
Under-voltage protection stages INST, DT or IDMT	U< to U<<<<	27		×		×	×
Reverse-/under-/over-power protection stages INST, DT or IDMT	P</> (4)	32		×		×	×
Current unbalance/broken conductor protection stages INST, DT or IDMT	I2 (I2/I1)	46 /R/L	× 1 stage	×	×	×	×
Positive/negative sequence under-/over-voltage protection stages INST, DT or IDMT	U1</> (4)	27P/47/59P		×		×	×
Thermal overload protection (line)	T >	49L	×	×	×	×	×
Three-phase over-current protection stages INST, DT or IDMT	I> to I>>>>	50	× 3 stage	×	×	×	×
Harmonic over-current protection/inrush blocking stages INST, DT or IDMT	IXH> to IXH>>>>	50H/51H/68	× 1 stage	×	×	×	×
(Sensitive) Earth-fault protection stages INST, DT or IDMT	I0> to I0>>>>	50N/51N(S)	× 3 stage	×	×	×	×
Breaker failure protection	CBFP	50BF	×	×	×	×	×
Three-phase over-current protection stages INST, DT or IDMT	I> to I>>>>	51	× 3 stage	×	×	×	×
Over-voltage protection stages INST, DT or IDMT	U> to U>>>>	59		×		×	×
Residual voltage protection stages INST, DT or IDMT	U0> to U0>>>>	59N		×		×	×
Fuse failure	VTS	60		×		×	×
Directional three-phase over-current protection stages DT or IDMT	IDIR> to IDIR>>>>	67		×		×	×
Directional (sensitive) residual over-current protection stages DT or IDMT	I0DIR> to I0DIR>>>>	67N		×		×	×
Intermittent earth fault	I0INT>	67NT				×	×
Cold-load pick-up block	CLPU	68	×	×	×	×	×
Vector jump/surge		78				×	×
Auto-reclose	0 -> 1	79		×	×	×	×
Frequency protection stages	F >/ F < (8)	81O/U		×		×	×
Rate of change of frequency	df/dt (8)	81R		×		×	×
Restricted earth-fault protection (low-imp)	I0D>	87N		×	×	×	×
Cable-end differential protection		87		×	×	×	×
Programmable stage		99			×	×	×
Voltage memory				×	×	×	×
Current transformer supervision	CTS		×	×	×	×	×
Switch onto fault logic	SOTF		×	×	×	×	×
Disturbance recorder, 60 MB (for example, 100 disturbance records of 10 s, 15,000 events)	DR		×	×	×	×	×

For more information, please contact:
DEIF A/S · Frisenborgvej 33 · DK-7800 Skive · Denmark
Tel.: +45 9614 9614 · Fax: +45 9614 9615 · info@deif.com · www.deif.com