

ACCESSORIES

for motor protective circuit breakers MA



Shunt trip					
MODULE	RATED OPERATING VOLTAGE	MAX. OPERATING CURRENT AT U_n ($t < 10$ ms)	ITEM NO.	WEIGHT g/EACH	PACKING UNIT
1	12 V \approx	1,3 A	FA12UM	105	5
1	24 V \approx	0,6 A	FA24UM	105	5
1	48 - 72 V \approx	0,2 A	FA48UM	105	5
1	110 - 240 V \approx , 415 V~	0,25 A at 110 V 0,5 A at 240 V 0,8 A at 415 V	FA110UM	105	5
Pull-in voltage $0.7 \times U_e$			Switch in duration for U_e 100%		



Auxiliary contact					
MODULE	TYPE OF CONTACT	CONTACTS	ITEM NO.	WEIGHT g/EACH	PACKING UNIT
1/2	1 auxiliary contact	1NO	H10UM	35	10
1/2	2 auxiliary contacts	1NO + 1NC	H11UM	40	10
1/2	3 auxiliary contacts	1NO + 2NC	H12UM	45	10
1/2	3 auxiliary contacts	2NO + 1NC	H21UM	45	10



Standards	according to IEC 60947-5-1, DIN EN 60947-5-1, VDE 0660-200, UL 508	
Rated operating currents	10 A / 240 V AC 3 A / 110 V DC 1 A / 220 V DC	
Minimum contact load	1 mA at 24 V DC	
Conductor cross sections		
Type of conductor *)	min.	max.
Single wire	0.5 mm ²	2.5 mm ²
Stranded wire	0.5 mm ²	1.5 mm ²
Stranded wire with ferrule	0.5 mm ²	1.5 mm ²
Torque	max. 0.8 Nm	

*) Stripped length 8 - 9 mm