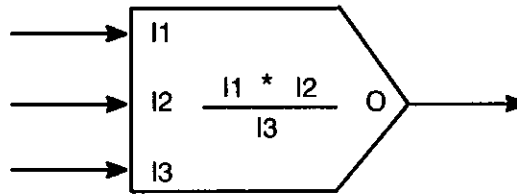


18.0 MULTIPLY AND DIVIDE

This function can be used in AutoMax Control Block tasks and UDC Control Block tasks.



Function

OUTPUT = INPUT1 * INPUT2 ÷ INPUT3

Program Statement

```
CALL MULTIPLY_DIVIDE(INPUT1 = input1%,           &  
                     INPUT2 = input2%,           &  
                     INPUT3 = input3%,           &  
                     OUTPUT = output%)
```

Inputs

I1 (INPUT1) =

INTEGER signal input 1. This parameter must be specified.

I2 (INPUT2) =

INTEGER signal input 2. This parameter must be specified.

I3 (INPUT3) =

INTEGER signal input 3. This parameter must be specified.

Outputs

O (OUTPUT) =

INTEGER signal output. This parameter must be specified. If the result exceeds the range -32768 to $+32767$, the result will be clamped to -32768 or $+32767$, producing OUTPUT.