brsmemcmp()

Compares memory areas

> This function block can only be used conditionally for **redundancy**.
> The applicable limitations are described in the following sections:
>
> [Hidden pointer usage](#)
>
> Additional information can be found in the ["Redundancy"](#) section.

Parameters

I/O	Parameter	Data type	Description
IN	pMem1	ANY (transferred as a pointer)	Address of memory area 1
IN	pMem2	ANY (transferred as a pointer)	Address of memory area 2
IN	length	UDINT	Number of bytes to be checked
OUT	result	DINT	Result

Call syntax (Automation Basic)

result = brsmemcmp(adr(Mem1),adr(Mem2),length)

Note

A comparison is made between memory areas pMem1 and pMem2, the result of which is displayed as follows:

If the contents of pMem1 < contents of pMem2, then result < 0
If contents of pMem1 = contents of pMem2, then result = 0
If contents of pMem1 > contents of pMem2, then result > 0

Examples

[Automation Basic](#)
[ANSI C](#)
[Structured Text](#)