

[AI5 max. value] C_{rH5} ★

AI5 current scaling parameter of 100%.

This parameter can be accessed if:

- **[PID Feedback] P_{rF}** is set to **[AI5] R_{rS}** , and
- **[AI5 Type] R_{rSL}** is set to **[Current] DA** .

Identical to **[AI1 max. value] C_{rH1}** (see page 310).

[Min PID feedback] P_{rFI} ★

Minimum PID feedback.

This parameter can be accessed if **[PID Feedback] P_{rF}** is not set to **[No] $n\emptyset$** .

Setting $\langle \rangle$	Description
0... [Max PID feedback] P_{rF2}	Setting range Factory setting: 100

[Max PID feedback] P_{rF2} ★

Maximum PID feedback.

This parameter can be accessed if **[PID Feedback] P_{rF}** is not set to **[No] $n\emptyset$** .

Setting $\langle \rangle$	Description
[Min PID feedback] P_{rFI} ...32,767	Setting range Factory setting: 1,000

[PID feedback] r_{PF} ★

Value for PID feedback, display only.

This parameter can be accessed if **[PID Feedback] P_{rF}** is not set to **[No] $n\emptyset$** .

Setting	Description
0...65,535	Setting range Factory setting: _

[Min Fbk Warning] P_{rFL} ★

Minimum feedback level warning.

This parameter can be accessed if **[PID Feedback] P_{rF}** is not set to **[No] $n\emptyset$** . **[PID Low Fdbck Warning] P_{rFL}** warning is active if the value of the PID feedback is lower than the value configured in **[Min Fbk Warning] P_{rFL}** .

Setting $\langle \rangle$	Description
0...65,535	Setting range Factory setting: 100

[Max Fbk Warning] P_{rFH} ★

Maximum feedback level warning.

This parameter can be accessed if **[PID Feedback] P_{rF}** is not set to **[No] $n\emptyset$** . **[PID High Fdbck Warning] P_{rFH}** warning is active if the value of the PID feedback is greater than the value configured in **[Max Fbk Warning] P_{rFH}** .

Setting $\langle \rangle$	Description
0...65,535	Setting range Factory setting: 1,000

[R1 configuration] *r* / - Menu**Access**

[Complete settings] → [Input/Output] → [Relay] → [R1 configuration]

[R1 Assignment] *r* /

R1 assignment.

Setting	Code / Value	Description
[No]	<i>n a</i>	Not assigned
[Operating State Fault]	<i>F L t</i>	Operating state fault Factory setting
[Drive Running]	<i>r u n</i>	Drive running
[Mot Freq High Thd]	<i>F t R</i>	Motor frequency threshold ([Motor Freq Thd] <i>F t d</i>) reached
[High Speed Reached]	<i>F L R</i>	High speed reached
[Current Thd Reached]	<i>C t R</i>	Motor current threshold ([High Current Thd] <i>C t d</i>) reached
[Ref Freq Reached]	<i>S r R</i>	Frequency reference reached
[Motor Therm Thd Reached]	<i>t S R</i>	Motor thermal threshold ([Motor Therm Thd] <i>t t d</i>) reached
[PID Error Warning]	<i>P E E</i>	PID error warning
[PID Feedback Warning]	<i>P F R</i>	PID feedback warning
[AI2 4-20 Loss Warning]	<i>A P 2</i>	AI2 4-20 mA loss warning
[Mot Freq High Thd 2]	<i>F 2 R</i>	Second frequency threshold ([Freq. threshold 2] <i>F 2 d</i>) reached
[Drv Therm Thd Reached]	<i>t R d</i>	Drive thermal threshold reached
[Ref Freq High Thd Reached]	<i>r t R H</i>	Frequency reference high threshold reached
[Ref Freq Low Thd Reached]	<i>r t R L</i>	Frequency reference low threshold reached
[Mot Freq Low Thd]	<i>F t R L</i>	Frequency low threshold ([Low Freq. Threshold] <i>F t d L</i>) reached
[Motor Freq Low Thd 2]	<i>F 2 R L</i>	Second frequency low threshold ([2 Freq. Threshold] <i>F 2 d L</i>) reached
[Low Current Reached]	<i>C t R L</i>	Current low threshold ([Low I Threshold] <i>C t d L</i>) reached
[Process Undld Warning]	<i>u L R</i>	Underload warning
[Process Overload Warning]	<i>o L R</i>	Overload warning
[Forward]	<i>Π F r d</i>	Run forward
[Reverse]	<i>Π r r S</i>	Run reverse
[HMI Cmd]	<i>b Π P</i>	Control via the Graphic Display Terminal is active. (only active with Local/Remote button)
[Neg Torque]	<i>R t S</i>	Actual torque sign
[Cnfg.0 act.]	<i>C n F 0</i>	Configuration 0 active
[set 1 active]	<i>C F P 1</i>	Parameter set 1 active
[set 2 active]	<i>C F P 2</i>	Parameter set 2 active
[set 3 active]	<i>C F P 3</i>	Parameter set 3 active
[DC Bus Charged]	<i>d b L</i>	DC bus charged
[In braking]	<i>b r S</i>	In braking sequence
[Power removal state]	<i>P r Π</i>	Power removal state
[I present]	<i>Π C P</i>	Motor current present
[Warning Grp 1]	<i>R G 1</i>	Warning group 1
[Warning Grp 2]	<i>R G 2</i>	Warning group 2
[Warning Grp 3]	<i>R G 3</i>	Warning group 3
[Warning Grp 4]	<i>R G 4</i>	Warning group 4
[Warning Grp 5]	<i>R G 5</i>	Warning group 5
[External Error Warning]	<i>E F R</i>	External error warning
[Undervoltage Warning]	<i>u S R</i>	Undervoltage warning

[Warn grp 1 definition] *FI* - Menu

Access

[Complete settings] → [Error/Warning handling] → [Warning groups config] → [Warn grp 1 definition]

About This Menu

The following submenus group the warnings into 1 to 5 groups, each of which can be assigned to a relay or a digital output for remote signaling.

When one or a number of warnings selected in a group occur, this warning group is activated.

List of Warnings

Setting	Code	Description
[No Warning stored]	<i>n o F</i>	No warning stored
[Fallback Frequency]	<i>F r F</i>	Reaction on event: Fallback frequency
[Speed Maintained]	<i>r L S</i>	Reaction on event: Speed maintained
[Type of stop]	<i>S t t</i>	Reaction on event: Stop following [Type of stop] <i>S t t</i> without triggering an error
[Ref Frequency Warning]	<i>S r F</i>	Frequency reference reached
[Life Cycle Warn 1]	<i>L C R 1</i>	Life cycle warning 1 (see page 570)
[Life Cycle Warn 2]	<i>L C R 2</i>	Life cycle warning 2 (see page 570)
[Dry Run Warning]	<i>d r Y F</i>	Dry run warning (see page 383)
[High Flow Warning]	<i>H F P F</i>	High flow warning (see page 403)
[InPress Warning]	<i>i P P F</i>	Inlet pressure monitoring warning (see page 393)
[Low OutPres Warn]	<i>o P L F</i>	Low outlet pressure warning (see page 398)
[High OutPres Warn]	<i>o P H F</i>	High outlet pressure warning (see page 398)
[PumpCycle warning]	<i>P C P F</i>	Pumpcycle monitoring warning (see page 374)
[Anti-Jam Warning]	<i>J A N F</i>	Anti-jam warning (see page 376)
[Pump Low Flow]	<i>P L F F</i>	Pump low flow warning (see page 386)
[LowPres Warning]	<i>L P F</i>	Low pressure warning
[Flow Limit activated]	<i>F S F</i>	Flow limitation function is active (see page 370)
[PID error Warning]	<i>P E E</i>	PID error warning (see page 322)
[PID Feedback Warn]	<i>P F F</i>	PID feedback warning (see page 314)
[PID High Fdbck Warn]	<i>P F F H</i>	PID feedback high threshold reached (see page 314)
[PID Low Fdbck Warn]	<i>P F F L</i>	PID feedback low threshold reached (see page 314)
[Regulation Warning]	<i>P i S H</i>	PID feedback monitoring warning (see page 337)
[AI2 Th Warning]	<i>t P 2 F</i>	AI2 Thermal warning (see page 192)
[AI3 Th Warning]	<i>t P 3 F</i>	AI3 Thermal warning (see page 192)
[AI4 Th Warning]	<i>t P 4 F</i>	AI4 Thermal warning (see page 192)
[AI5 Th Warning]	<i>t P 5 F</i>	AI5 Thermal warning (see page 192)
[AI1 4-20 Loss Warning]	<i>A P 1</i>	AI1 4-20 mA loss warning (see page 552)
[AI2 4-20 Loss Warning]	<i>A P 2</i>	AI2 4-20 mA loss warning (see page 552)
[AI3 4-20 Loss Warning]	<i>A P 3</i>	AI3 4-20 mA loss warning (see page 552)
[AI4 4-20 Loss Warning]	<i>A P 4</i>	AI4 4-20 mA loss warning (see page 552)
[AI5 4-20 Loss Warning]	<i>A P 5</i>	AI5 4-20 mA loss warning (see page 552)
[Drive Thermal Warning]	<i>t H F</i>	Drive overheating warning (see page 563)
[IGBT Thermal Warning]	<i>t J F</i>	IGBT thermal state warning
[Fan Counter Warning]	<i>F C t F</i>	Fan counter speed warning (see page 576)
[Fan Feedback Warning]	<i>F F d F</i>	Fan feedback warning (see page 576)
[Ext. Error Warning]	<i>E F F</i>	External error warning (see page 548)
[Undervoltage Warning]	<i>u S F</i>	Undervoltage warning (see page 559)
[Preventive UnderV Active]	<i>u P F</i>	Controlled stop threshold is reached (see page 559)